



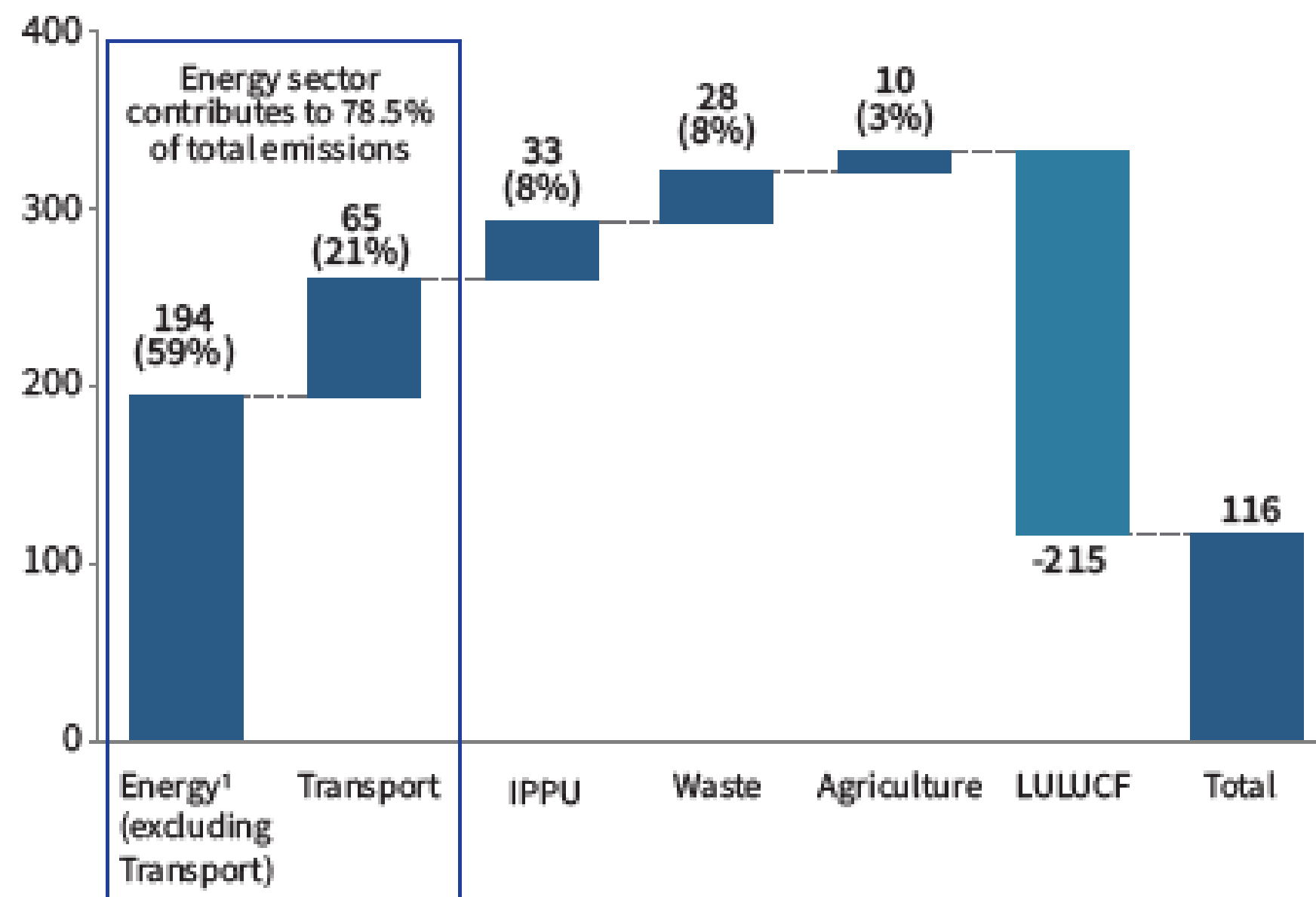
Achieving ESG Goals through the Green Electricity Tariff (GET) Program – post Electricity Tariff Restructuring

Information Deck 2H 2025
V2025.6



What is Malaysia's Commitment to Net-Zero Emissions as Early as 2050?

Malaysia's GHG inventory, MtCO₂eq (2019) from BUR4



¹ Refers to emissions from energy industries, manufacturing industries and construction, other sectors and non-specified energy emissions, and fugitive emissions from fuels.

Source: Malaysia's Fourth Biennial Update Report submitted to the UNFCCC (2022)

DECARBONISING THE ENERGY SECTOR

Solar as the Major Source for Power Generation

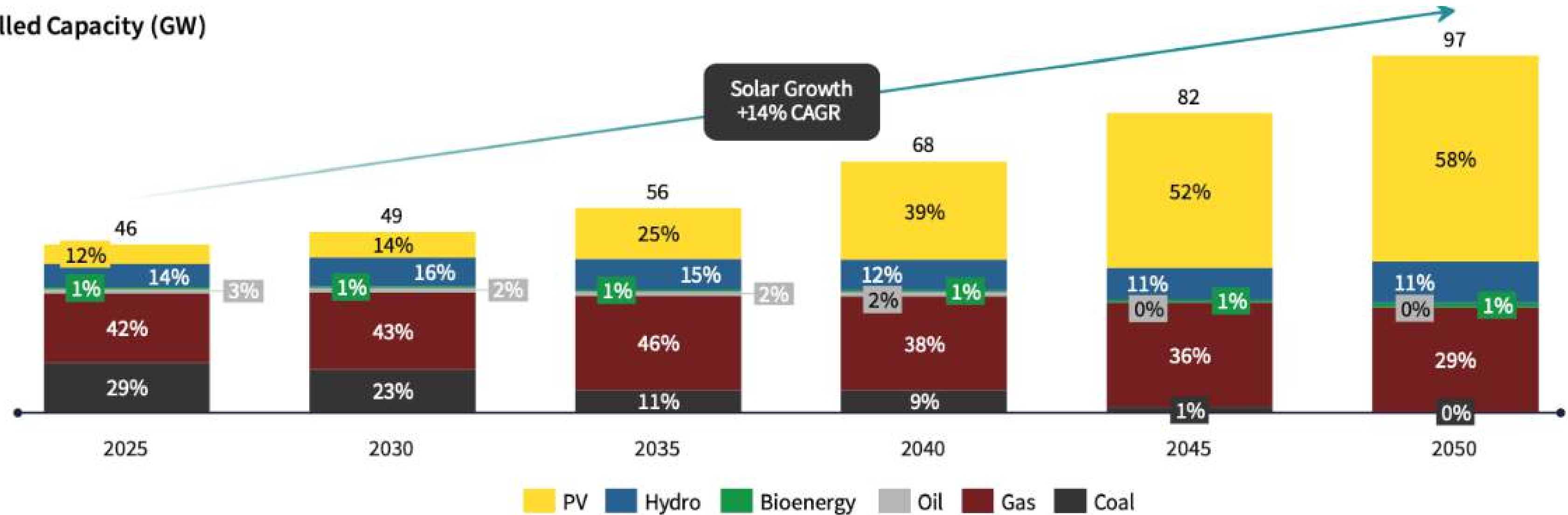


KEMENTERIAN PERALIHAN TENAGA
DAN TRANSFORMASI AIR

National Energy
Transition Roadmap
Part 1: Flagship Catalyst Projects and Initiatives



Installed Capacity (GW)

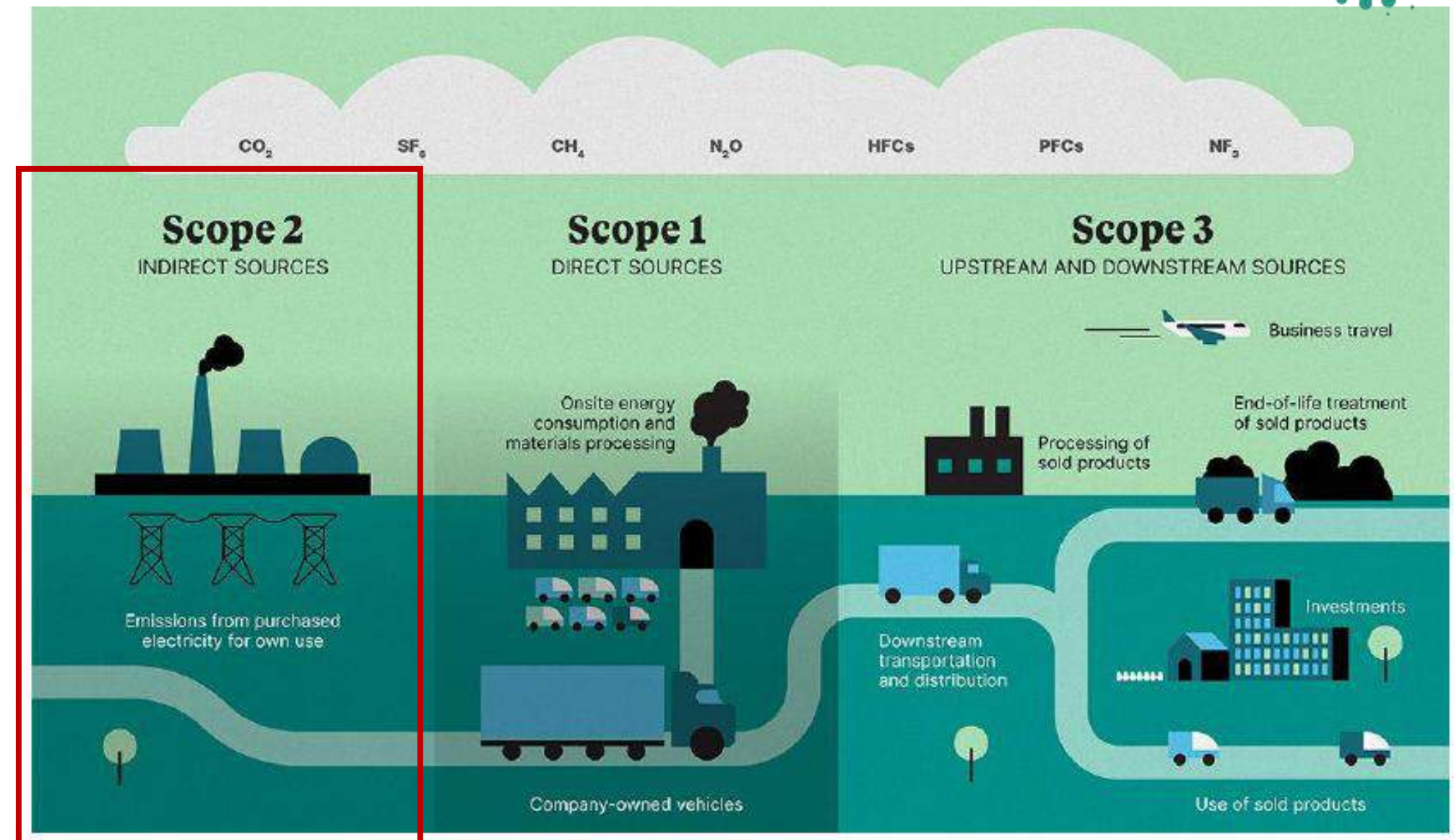


Intermittency, Grid flexibility, Cost affordability

Why is the GET program for YOU?

1 What is the Green Electricity Tariff (GET) program for?

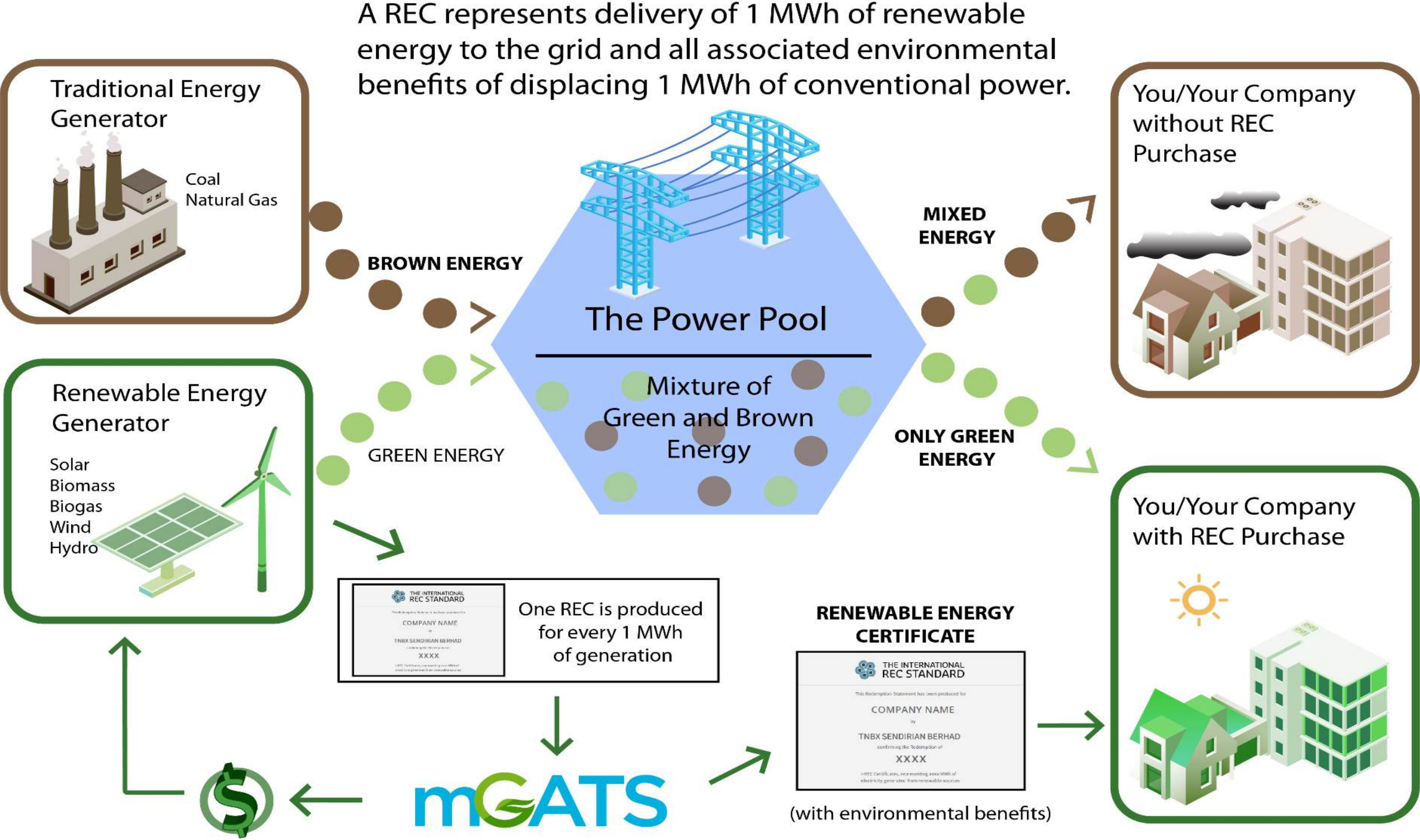
- Do you know that every **1,000kWh** electricity sourced from the national grid will result in **0.774*** tonnes of **CO2** equivalent emission to the environment
- Your organization/company need to **reduce this electricity carbon footprint** in line with ESG targets
- Your organization/company might **find difficulty to source direct** green electricity to achieve 100% electricity coming from RE sources
- Your organization/company need to use the **Renewable Energy Certificate (REC)** to reduce the carbon footprint as on-site RE is not easily accessible
- **GET** helps your organization/company to avoid this Scope 2 GHG electricity emission through **bundling** of the Malaysia REC (mREC) onto your **electricity bill**



Source: Climate Action Navigator

In order to achieve 'carbon neutrality' for your electricity, EE, RE and REC will be able to help your organization/company

Through GET, we help you to achieve your sustainability goals faster and easier



mREC redemption statement info



- 1 Company Name
- 2 Amount of RECs in MWh
- 3 Company Address
- 4 Period of Redemption
- 5 Purpose
- 6 QR Code Verification at I-REC Platform

This redemption statement has been produced for

**WISMA SUMBER ASLI,
KEMENTERIAN SUMBER ASLI, ALAM SEKITAR
DAN PERUBAHAN IKLIM**

by

TNBX SDN. BHD.

confirming the redemption of

XXX

mREC Certificates, representing a total MWh of
electricity generated from renewable sources

This statement relates to electricity consumption located at or in

**Wisma Sumber Asli
Lot 463, No. 25 Persiaran Perdana
Presint 4, 62574 Putrajaya
Malaysia**

In respect of the reporting period

2022-02-01 to 2022-12-31

The stated redemption purpose is:

To Claim the Purchased Electricity is from Renewable Electricity for Emissions Avoidance under
Scope 2 GHG Emissions Reporting

Evident

QR Code Verification

Verify the status of this Redemption Statement by scanning the QR code on the
left and entering in the Verification Key below

Verification Key

XXX

Production Device Details						
Device	Country of Origin	Energy Source	Technology	Supported	Commissioning Date	Carbon (CO ₂ / MWh)
Sultan Ismail Petra Hydro Generating Facility, Pengau (4 units x 150 MW)	Malaysia	Hydro-electric	Dam	No	1997-07-01	0.000
Redeemed Certificates						
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer	
0000-0002-0276-4738-000000	0000-0002-0276-0365-010000	3 (300.000000)	Inc	2023-01-01 - 2023-01-31	Green Electricity Tariff	

Production Device Details						
Device	Country of Origin	Energy Source	Technology	Supported	Commissioning Date	Carbon (CO ₂ / MWh)
Sinar Kamal Sdn Bhd	Malaysia	Solar	PV Ground mounted	No	2016-11-27	0.000
Redeemed Certificates						
From Certificate ID	To Certificate ID	Number of Certificates	Offset Attributes	Period of Production	Issuer	
0000-0002-1113-2256-000000	0000-0002-1113-2267-504000	909.504000	Inc	2023-03-01 - 2023-03-31	Green Electricity Tariff	

- 7 mREC Certificate Info
- Exact RE Generator Name
 - Country of Origin
 - Energy Source Type
 - Technology Type
 - Issuer

Why is the GET program for YOU?

2 Why should I GET now?

'No brainer': Thailand to become second in Southeast Asia to tax carbon emissions

In time, Thailand's strategy could give its industries a competitive edge while reducing greenhouse gas emissions, experts say. Singapore was the first in the region to introduce a carbon tax in 2019.

To support our net zero target, the carbon tax was raised to **S\$25/tCO₂e** with effect from **2024**. It will be raised to **S\$45/tCO₂e** in 2026 and 2027, with a view to reaching **S\$50-80/tCO₂e** by 2030.



NCCS
<https://www.nccs.gov.sg/mitigation-efforts/carbontax>

Carbon Tax - National Climate Change Secretariat

Carbon tax policy in South East Asia (SEA):

1. Singapore – since 2019
2. Thailand – beginning 2025
3. Indonesia – estimated in 2025
4. Malaysia – coming soon in 2026

- **Impending carbon taxes** that could impact your company (especially the adoption by European Union (EU) to start its **Carbon Border Adjustment Mechanism (CBAM)** in 2026 (current pilot started since 1st October 2023 – Regulation 2023/956). Other SEA nations will adopt carbon tax and Malaysia could soon implement
- Your company/organization **contributes to the growth of RE** through GET. GET proceeds go to subsidizing the domestic consumers to put up solar panel under the **Solar for Rakyat Incentive Scheme (SolaRIS)** – consider this part of **CSR supporting the Govt's green programme**
- GET quota is **limited**, there's a maximum of 6,600 GWh offered and those who have secured the quota, will be able to hold it **perpetually***
- Easy steps to start subscribing for GET **through myTNB**. Line items of GET in your bills for clarity on bundled green electricity procured

*subject to changes in the future by the Govt/PETRA ministry

Why is the GET program for YOU?

3 GET program providing additionality in large scale through contributing to the SolaRIS program



Solar For Rakyat Incentive Scheme



KEMENTERIAN PERALIHAN TENAGA DAN TRANSFORMASI AIR

KENYATAAN MEDIA

PERMOHONAN KUOTA NEM RAKYAT DIBUKA SEMULA,
HALA TUJU PELAKSANAAN SOLAR DI BUMBUNG LEBIH MENYELURUH
BAKAL DITETAPKAN

KUALA LUMPUR, 25 November 2024- Permohonan kuota bagi Program *Net Energy Metering* (NEM) untuk kategori domestik atau NEM Rakyat akan dibuka semula pada 25 November 2024, dengan jumlah kuota tambahan sebanyak 50MW. Penambahan ini menjadikan jumlah kuota keseluruhan untuk NEM Rakyat sejak pelaksanaannya pada tahun 2011 adalah sebanyak 450MW. Kuota NEM Rakyat sebelum ini telah habis dipohon pada awal bulan November 2024.

Selain itu, bagi menyokong usaha syarikat korporat untuk memenuhi komitmen Alam Sekitar, Sosial dan Tadbir Urus (ESG) dari aspek pembekalan elektrik hijau, kuota kategori NEM NOVA untuk pengguna komersial dan industri juga akan ditingkatkan sebanyak 300MW lagi kepada 1,400MW.

Memandangkan sambutan yang menggalakkan, Kementerian Peralihan Tenaga dan Transformasi Air (PETRA) telah memutuskan untuk menambah kuota untuk NEM Rakyat dan NEM NOVA agar lebih ramai pengguna boleh memanfaatkan ruang bumbung bangunan untuk pemasangan sistem solar PV. Pertambahan kuota ini juga selaras dengan pengumuman Belanjawan 2025 untuk melanjutkan tempoh pelaksanaan

SolaRIS Features

- ✓ **One time cash rebate** : RM1,000/kWac up to a **maximum of RM4,000** for NEM Rakyat customers who apply and obtain approval from 1 April 2024 onwards.
**Subject to the terms and conditions of the SolaRIS programme.*
- ✓ Rebate allocation is on a **first come, first served basis** from 1 April until 31 December 2024 and successfully commission their solar PV system installations by 31 March 2025, or until all SolaRIS rebate quotas are fully distributed, whichever comes first.
- ✓ The rebate will be transferred to the preferred local bank account under the registered TNB customer after receiving an email from TNB for SolaRIS application.

SolaRIS Eligibility



TNB Residential Customers (Tariff A)
***Exclude businesses**



Successful first time NEM Rakyat applicants from 1 April 2024 onwards



Malaysian citizens

**Each customer is entitled to only ONE rebate*

Why is the GET program for YOU?



4 Who else had already GET into the program?

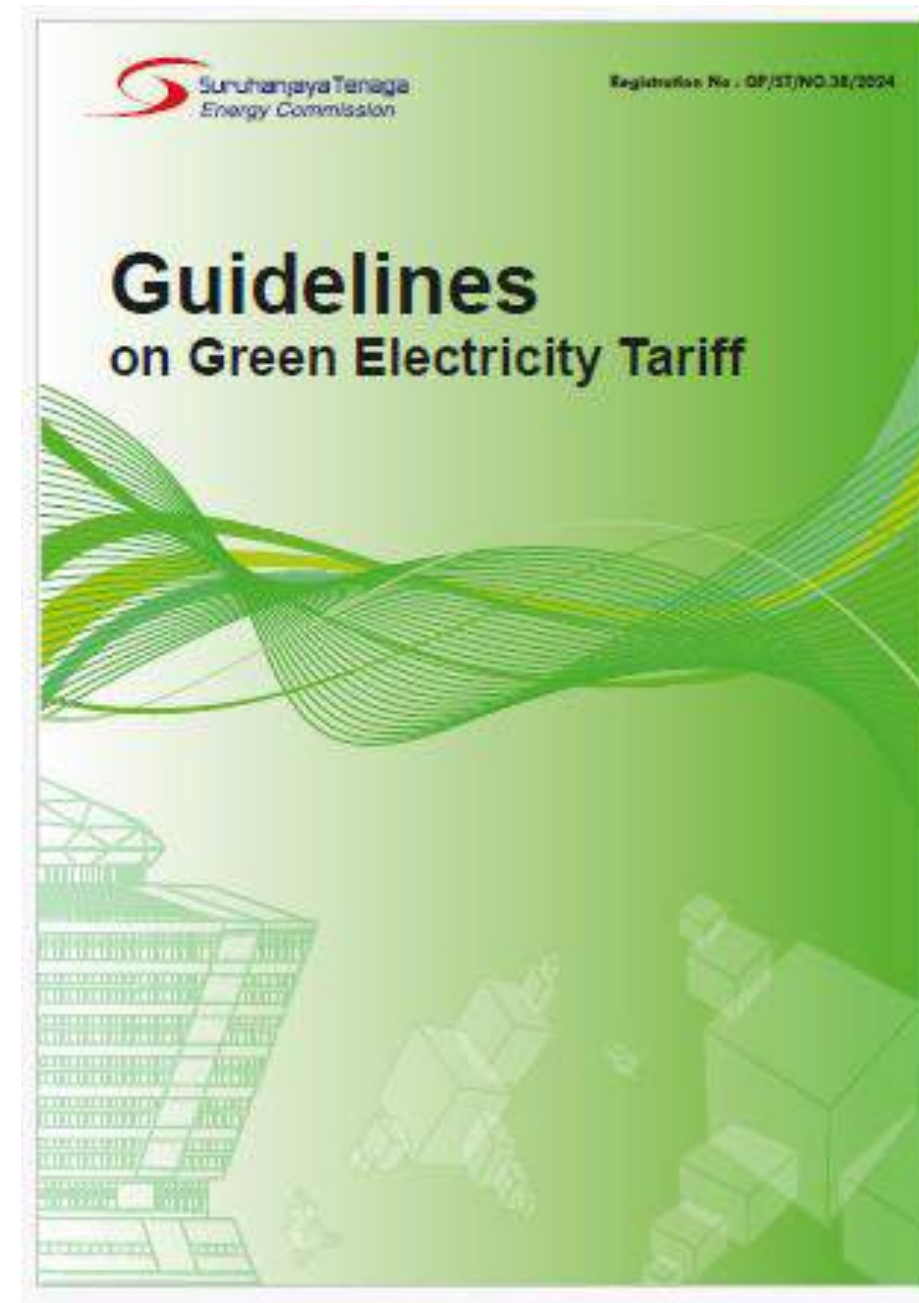


and 1,400++
more
customers
currently
subscribed to
the program...

Why is the GET program for YOU?



- 5 This program is regulated by the Energy Commission as stated in ST Guidelines for GET**



<https://www.st.gov.my/contents/files/download/152/GUIDELINES%20ON%20GREEN%20ELECTRICITY%20TARIFF.pdf>

Section:

B. Details of Green Electricity Tariff (GET) 2025 program



THE INTERNATIONAL
REC STANDARD

This Redemption Statement has been produced for

**WISMA SUMBER ASLI,
KEMENTERIAN SUMBER ASLI, ALAM SEKITAR
DAN PERUBAHAN IKLIM**

by

TNBX SDN. BHD.

confirming the redemption of

XXX

REC Certificates, representing a total value of
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Lot 463, No. 25 Persiaran Perdana
Presint 4, 62574 Putrajaya
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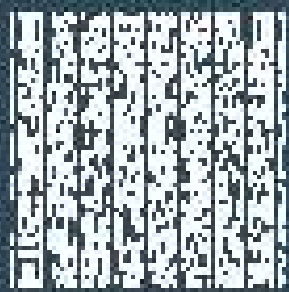
In respect of the reporting period

2022-02-01 to 2022-12-31

The stated Redemption Purpose is

To Offset an Approximate of **XXX** tonnes of Carbon Dioxide Emissions from
purchased Electricity





QR Code Verification

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Verification Key

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XXX

Product and Price – what are the key changes in GET 2025 1H vs 2H



FY 2025 – 1H



FY 2025 – 2H

Rate

Cust. Category	Rate (1yr)	Rate (2yr)	Rate (3yr)
HV MV (C, E, F, H)	20c/kWh	19c/kWh	18c/kWh
LV (A, B, D, G, H)	10c/kWh	9c/kWh	8c/kWh

Term

- Option for 1, 2 or 3 years at different pricing

Opt-out

- Can terminate any time at a penalty until term ends (at 2c/kWh)

Backdate

- Can backdate to 1st Jan or date of subscription for the year

Cust. Category	Rate (1yr)	Rate (2yr)	Rate (3yr)
HV MV	5c/kWh	4c/kWh	3c/kWh
LV	5c/kWh	4c/kWh	3c/kWh

- Option for 1, 2 or 3 years at different pricing

- **One time opt out until 31st Aug 25 with no charges**
- Thereafter, can terminate any time at a penalty until term ends (at 2c/kWh)

- Can backdate to **1st July** or date of subscription for the year

The latest changes of GET 2025 allows green corporate and industrial customers to obtain green electricity bundled with mREC at a longer term and lower rate. LV Consumers gain a further net premium reduction.

Estimation comparison of GET rate before and after 1st July 2025 – generally, all tariffs will see lower GET cost compared to before



Tariff	Est. Avg. Load Factor	Category	Energy Charge (Average / Peak)	Capacity Charge (Average / Peak)	Network Charge (Average / Peak)	AFA	Total Rate (c/kWh)	With GET (1-yr)	Before 1st July (with GET 1-yr)	Reduction / Increase	With GET (2-yr)	Before 1st July (with GET 2-yr)	Reduction / Increase	With GET (3-yr)	Before 1st July (with GET 3-yr)	Reduction / Increase
LV	N/A	Non-Domestic	27.03	8.83	14.82	-	50.68	55.68	60.90	-8.57%	54.68	59.90	-8.71%	53.68	58.90	-8.86%
MV	0.55	Non-Domestic Commercial C1	29.83	7.43	15.11	-	52.37	57.37	64.15	-10.57%	56.37	63.15	-10.73%	55.37	62.15	-10.91%
MV	0.75	Non-Domestic Commercial C2	31.32	5.59	12.38	-	49.29	54.29	64.85	-16.28%	53.29	63.85	-16.53%	52.29	62.85	-16.80%
MV	0.70	Non-Domestic Industrial E1	29.83	5.84	11.87	-	47.54	52.54	59.57	-11.80%	51.54	58.57	-12.00%	50.54	57.57	-12.21%
MV	0.85	Non-Domestic Industrial E2	29.83	4.93	10.93	-	45.69	50.69	61.55	-17.64%	49.69	60.55	-17.93%	48.69	59.55	-18.23%
HV	0.90	Non-Domestic Industrial E3	44.52	3.36	3.56	-	51.44	56.44	59.18	-4.63%	55.44	58.18	-4.71%	54.44	57.18	-4.80%
UHV	0.90	Non-Domestic Industrial E3	55.18	3.36	3.56	-	62.10	67.10	59.18	13.38%	66.10	58.18	13.61%	65.10	57.18	13.85%

Steps to be taken for existing and new subscribers in GET subscription



No.	Scenarios	Steps to be taken
1	Existing continuing GET subscribers who do not want to change period (yrs)	No actions required as subscription is auto-converted with new rates
2	Existing continuing GET subscribers who want to change period (yrs) and maintain 100% quota	Terminate before 31 st August 2025, re-apply* the next day and choose backdate to 1 st July 2025
3	Existing continuing GET subscribers who do not want to continue subscribing to achieve 100%	Terminate before 31 st August 2025, else there will be RM 0.02/kWh termination charges starting from 1 st September onwards
4	New GET customers who wants to participate in the GET program	Apply in myTNB and choose the package*. Decide if want subscription to start on 1 st July 2025 or on the date of subscription
5	New GET customers who wants to participate in the GET program and backdate from 1 st January 2025 to achieve 100% green electricity mREC	Apply in myTNB and choose the package. Decide if want subscription to start on 1 st July 2025. Thereafter, purchase 1H 2025 mREC at the Malaysia Green Attribute Trading System (mGATS) – www.mgats.com.my

**Package subscription can only be decided once and cannot be changed thereafter*

Section:

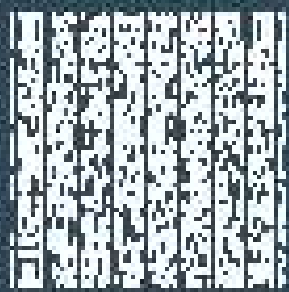
C. GET Greenpath for Non-Domestic Consumers i.e. PDL/Bulk/DC/Landlord

**THE INTERNATIONAL
REC STANDARD**

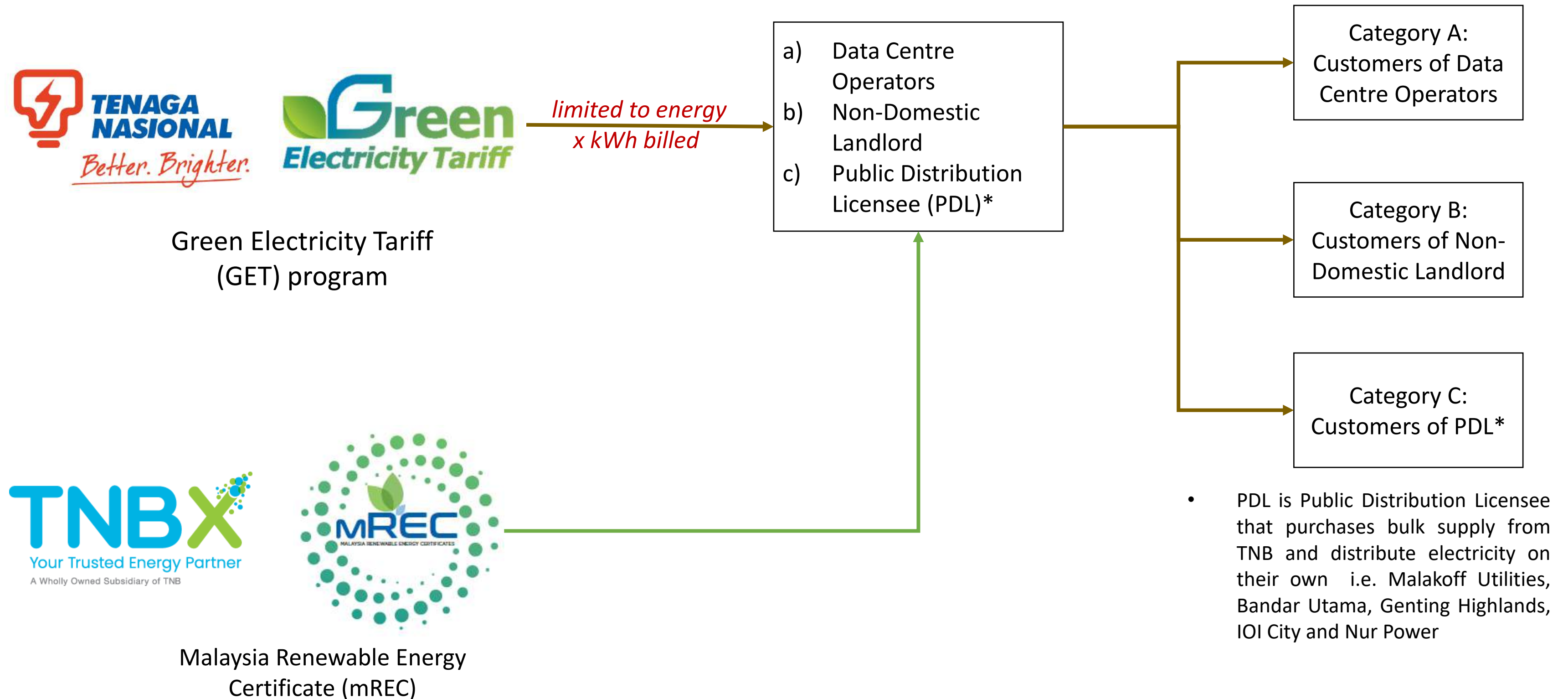
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**WISMA SUMBER ASLI,
KEMENTERIAN SUMBER ASLI, ALAM SEKITAR
DAN PERUBAHAN IKLIM**
by
TNBX SDN. BHD.
confirming the redemption of
XXX
iREC Certificates, representing a total value of
electricity generated from renewable sources

This statement relates to electricity consumption located at or in
**Wisma Sumber Asli
Lot 463, No. 25 Persiaran Perdana
Presint 4, 62574 Putrajaya
Malaysia**
in respect of the reporting period
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The stated Redemption Purpose is
**To Offset an Approximate of XXX tonnes of Carbon Dioxide Emissions from
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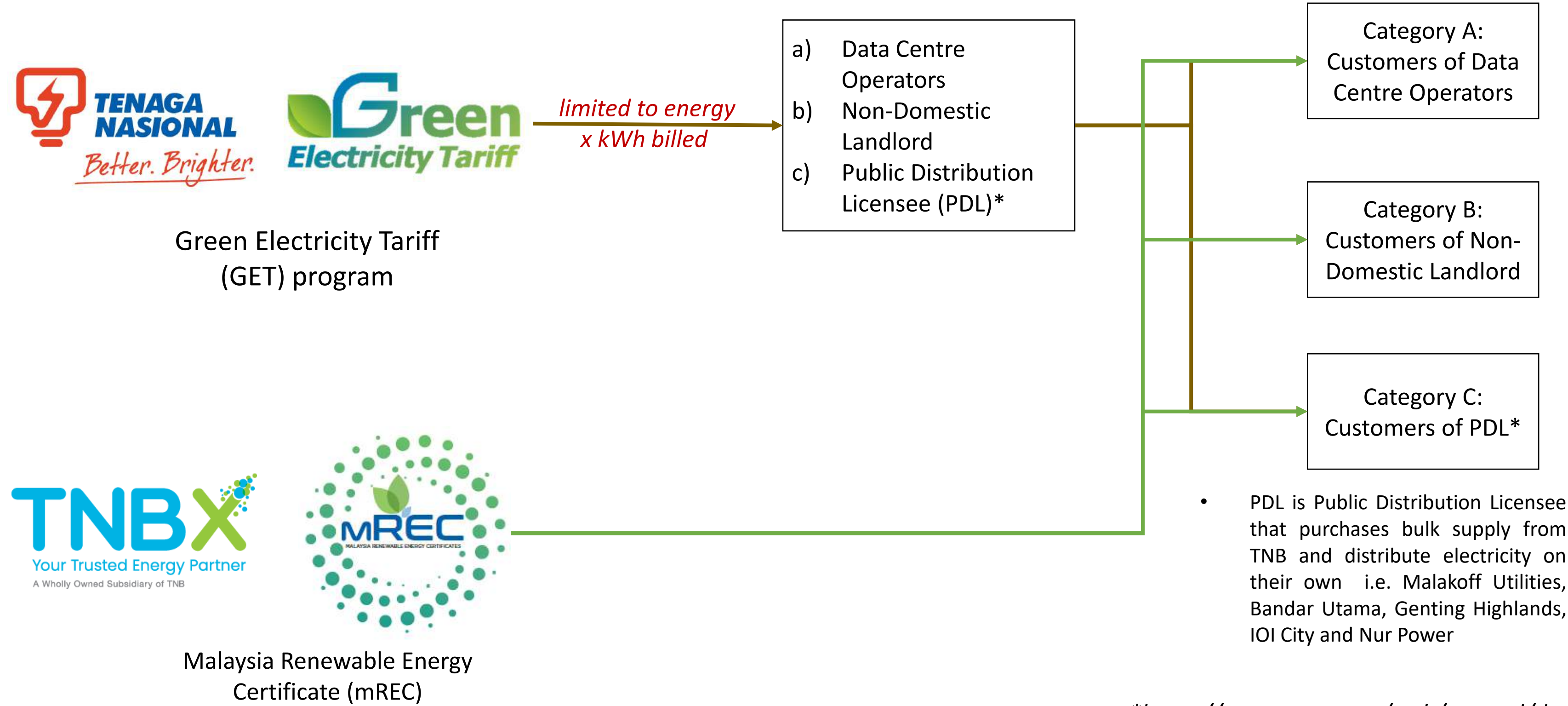


**QR Code Verification**
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Verification Key
7 8 8 2 7 4 5 7
XXX

There are several PDL/DC customers under the GET program previously requesting for the rights of green attributes in the form of mREC to be transferred to their customers. Presently, mREC is not able to be transferred to beyond TNB customers...

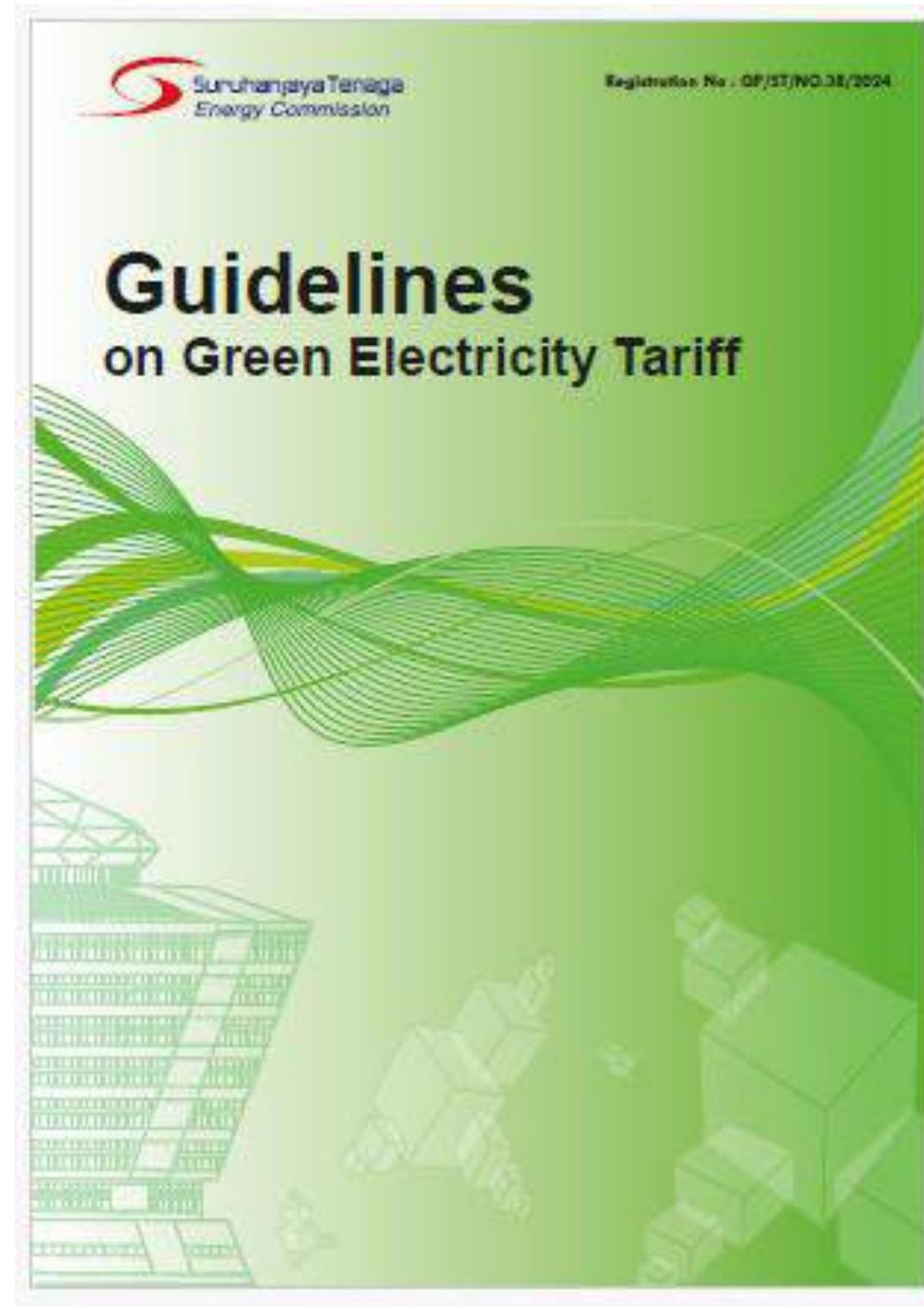


With the greenpath introduced, mREC is able to be transferred to beyond TNB customers and benefit to the end green consumers; while the need to preserve the bundled mechanism



*<https://www.st.gov.my/web/general/details/993>

In line with ST's Guidelines on Green Electricity Tariff, there's a new inclusion on GET Greenpath requirements for REC to be redeemed to **PDL/DC/Non-domestic customers**



- (6.5) TNBX is responsible for managing the issuance and transfer of the mREC to —
 - a. the GET Consumer; or
 - b. any customer of the GET Consumer who:
 - i. receives electricity from TNB within the GET Consumer's premises;
 - ii. is designated or identified by the GET Consumer; and
 - iii. has electricity consumption that can be quantified and segregated from the GET Consumer's consumption
- (6.6) In reference to Clause 6.5, the GET Consumer shall ensure the availability of verifiable energy consumption data, measured via a registered meter, to distinguish its own usage from that of its customers.

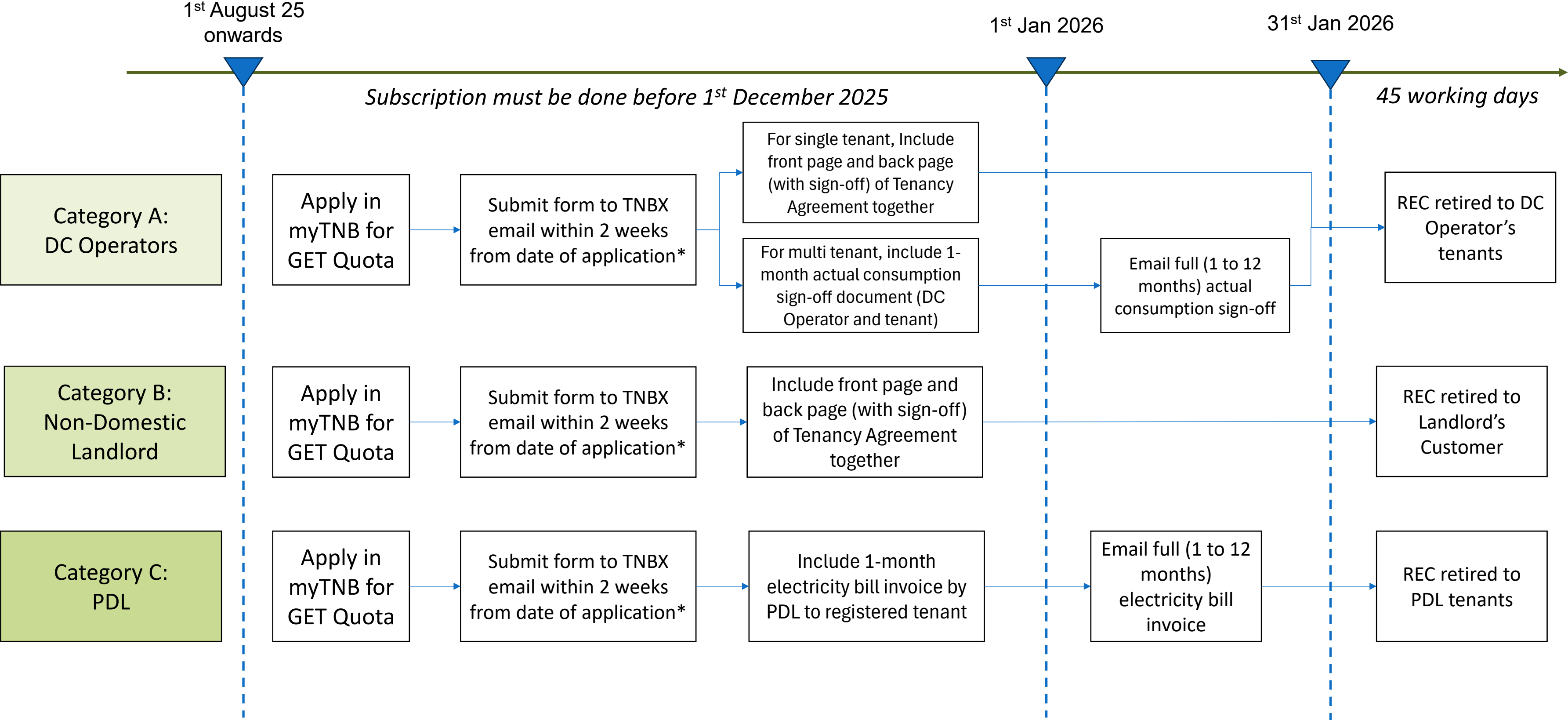
A deep dive into the metering requirement for various types of GET Greenpath consumers; presently offered to 3 different consumer categories only



Type	GET Greenpath Consumer Category	TNB Tariff Type	Metering and Consumption Info	GET Greenpath REC Mechanism/Treatment	Documents/Prove Required for Verification*
A	Data Centre (DC) Operators	Ultra High Voltage (UHV)	DC Operators purchase electricity from TNB with total consumption recorded through TNB meter. The supply powers up the servers including IT equipment, cooling systems and supporting infrastructure which hosted: i) Single tenant ii) Multi tenants There's measurement recorded for the electricity used.	For single tenant: Tenancy agreement is required. REC transferred to tenant entirely as per GET billed in TNB's billing For multi tenants: Actual consumption sign-off between DC operator and tenant must be provided. Consumption difference between DC operator and tenant will be retired to DC operator.	For single tenant: Front page and back page (with sign-off) Tenancy Agreement For multi tenants: Actual consumption sign-off between DC operator and tenant
B	Non-Domestic Landlord (single premise)	High/Medium/Low Voltage	Landlord holds the account with TNB and rents the entire building to single tenant	REC transferred to tenant entirely as per GET billed in TNB's billing	Front page and back page (with sign-off) Tenancy Agreement
C	Public Distribution Licensee (PDL)	Bulk	PDL meter and bill their tenants (multiple)	Tenants bill must be provided, and REC will be retired based on actual tenant billing. Remaining consumption REC to be issued to Landlord	Tenant's billing for the financial year

*All relevant documents must be provided accordingly by end of January the following year for REC redemption purpose. Failure to provide the documents timely would result in REC being retired to Landlord account automatically

Process timeline for the 3 consumer categories to subscribe for GET Greenpath FY 2025



*failure to submit documents on time would result GET Greenpath revert to normal GET; existing GET Consumer receives all REC

Manual form for GET Greenpath consumers prior to online application in myTNB thereafter





mREC TRANSFER APPLICATION FORM v1.0

Please note that only applications with complete and correct information will be processed.

APPLICATION BY COMPANY/ORGANIZATION WITH TNB ACCOUNT

Name of CEO/MD
(Authorized by Company /
Organization)

:

Company No.

:

ADDITIONAL INFORMATION:

Premise Address

:

Phone No.

:

Office No.

:

Email

:

TNB's Account No.

:

mREC TRANSFER INFORMATION

Existing Quota Subscribed

:

Company Name (mREC Beneficiary)	Company Registration Number	Address	Quota (in blocks)	Period of Subscription

• GET Consumer agrees to be liable for all risks and associated costs involved in for this mREC transfer to their beneficiary/beneficiaries listed in the table above

• GET Consumer agrees to subscribe for their own and/or tenant(s) that has registered meter, to distinguish its own usage from that of its customers in line with ST Guidelines on GET Clause 6.5 and Clause 6.6 which states the following:

6.5. TNBX is responsible for managing the issuance and transfer of the mREC to —

a. the GET Consumer; or

b. any customer of the GET Consumer who:

i. receives electricity from TNB within the GET Consumer's premises;

ii. is designated or identified by the GET Consumer; and

iii. has electricity consumption that can be quantified and segregated from the GET Consumer's consumption

6.6. In reference to Clause 6.5, the GET Consumer shall ensure the availability of verifiable energy consumption data, measured via a registered meter, to distinguish its own usage from that of its customers.

• TNB/TNBX reserves the right to review consumer's mREC transfer application form based on the information given



APPLICANT'S DECLARATION SECTION:

1. I / We understand and agree that as the registered consumer for electricity at the said premises I will be liable for any electricity consumed during the tenancy and/or occupancy period including any loss or damage suffered by TNB as permitted under the Electricity Supply Act 1990.

2. I / We hereby confirm that all information given ~~are~~ true and accurate and TNB shall have the right to take any necessary action if the information given ~~are~~ false or inaccurate.

3. I / We agree to all the terms and conditions of supply as attached herein and it shall be a binding contract in addition to the existing Electricity Supply Contract and GET Contract.

4. I / We, as the signatory below, do hereby consent to TNB, its agents and / or its permitted assigns for collecting, recording, holding or storing my / our personal data in accordance with the Personal Data Protection Act 2010 for a lawful purpose or necessary for any matters related to electricity supply and GET program by TNB and TNBX.

5. I / We, as the signatory below, do hereby consent to TNB on the information written which does not belong to me and I have rightfully obtain all necessary consent from the information/personal data owner to provide these information/personal data in accordance with the Personal Data Protection Act 2010 for a lawful purpose or necessary for any matters related to electricity supply and GET program by TNB and TNBX.

5. I / We hereby agree that all applications are subject to TNB and TNBX assessment and will be confirmed via email.

6. I / We hereby confirm that the telephone number / mailing address / e-mail address provided are true and accurate and TNB will be notified if there are any changes in the information. Any failure by me/us to update the telephone number / mailing address / e-mail address will not cause the TNB to be liable for any failure to deliver the notices under this application.

CEO/MD Signature & Company Stamp

Name of CEO/MD (authorized by company/organization):

Designation

:

MyKad No.

:

Date

:

Therefore, redemption can be done without commercial complexity to meet PDL/DC customer’s mREC demand; though with several criteria to be imposed



1 Company Name

2 Amount of RECs in MWh

3 Company Address

4 Period of Redemption

5 Purpose

6 QR Code Verification at I-REC Platform

THE INTERNATIONAL REC STANDARD

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**WISMA SUMBER ASLI,
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confirming the Redemption of
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Green Electricity Tariff
MyNegeri
Evident
TNBX

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7 mREC Certificate Info

- Exact RE Generator Name
- Country of Origin
- Energy Source Type
- Technology Type
- Issuer

Info	Before Greenpath	After Greenpath
Company Name	PDL/DC/Non-domestic Landlord	PDL customers/DC customers/Non-domestic Tenant
Amount of RECs	Total Consumed	As per actual consumption by PDL/DC up to total consumed by PDL/DC
Company Address	PDL/DC address	PDL/DC customer’s address
Period of Redemption	1 st Jan or start GET date until 31 st December	Same as PDL/DC
Purpose	GHG Scope 2 Emission Avoidance	Same as PDL/DC
QR Code	Unique for PDL/DC	Unique for PDL/DC customers
mREC Certificate Info	Unique for PDL/DC	Unique for PDL/DC customers

Details of the GET Greenpath will be available by 1st August at TNB webpage with the following key salient points



1. All tenants must be metered to participate
2. Tenant quota subscription must be equal to or less than landlord quota
3. All quota must be declared upfront upon GET application including breakdown of quota
4. Actual consumption based on landlord GET consumption and tenants metered consumption
5. Redemption period same as GET in Q1 the following year
6. Manual forms before online application must be sent to TNBX at tnbx-mrec@tnb.com.my. All queries on GET Greenpath can be channeled to TNBX at this email
7. GET Greenpath additional charge at RM 0.002/kWh throughout subscription period



Thank You

