

# Guidelines on Green Electricity Tariff



# GUIDELINES ON GREEN ELECTRICITY TARIFF

[ 15 FEBRUARY 2023 ]

### Registration Record

REGISTRATION NO.	REVISION DATE	REMARKS
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**ELECTRICITY SUPPLY ACT 1990**  
**[Act 447]**

**GUIDELINES ON GREEN ELECTRICITY TARIFF**

**GP/ST/No.31/2022 (Pin. 2023)**

IN exercise of the power conferred by Section 50C of the Electricity Supply Act 1990 [Act 447], the Commission issues the following guidelines:

**Purpose**

1. The purpose of these Guidelines is to describe the Green Electricity Tariff Programme and to provide guidelines on the framework and its implementation, as well as to set out roles and responsibilities of the relevant parties to the said Programme.

**Citation and commencement**

2. These guidelines may be cited as the Guidelines on Green Electricity Tariff and shall come into operation on the date of its registration.

Dated: 15 February 2023

**DATO' IR. TS. ABDUL RAZIB BIN DAWOOD**

Chief Executive Officer

Energy Commission

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**1. OBJECTIVES**

1.1. These Guidelines are developed by the Commission for the following objectives:

- (a) to describe the Green Electricity Tariff Programme, application process and its integration with the Malaysia Renewable Energy Certificate mechanism;
- (b) to provide guidelines on the framework of the Green Electricity Tariff Programme and its implementation; and
- (c) to set out roles and responsibilities of the relevant parties to the Green Electricity Tariff Programme.

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**2. SCOPE**

2.1. These Guidelines shall apply to:

- (a) Tenaga Nasional Berhad's consumers;
- (b) Tenaga Nasional Berhad; and
- (c) TNBX Sdn. Bhd.

2.2. These Guidelines are not intended in any way to circumvent the application of and obligations or requirements under any other written laws or standards. Parties relying on these Guidelines are advised to obtain independent advice on the applicability of the same to themselves.

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### 3. INTERPRETATION

3.1. In these Guidelines, the following terms shall bear the following meanings:

<b>“Act”</b>	means the Electricity Supply Act 1990 [ <i>Act 447</i> ] and all the subsidiary legislation made under Act 447;
<b>“billing cycle period”</b>	period for which electricity bills are prepared by TNB for a GET Consumer in accordance with the Licensee Supply Regulations 1990 [ <i>P.U.(A) 384/1990</i> ];
<b>“Commission”</b>	means the Energy Commission established under the Energy Commission Act 2001 [ <i>Act 610</i> ];
<b>“electricity”</b>	has the same meaning assigned to it in section 2 of the Act;
<b>“eligible consumer”</b>	means a TNB’s consumer who, in TNB’s evaluation, has good creditworthiness;
<b>“GET Consumer”</b>	means the eligible consumer whose application to subscribe for Green Electricity under the GET Programme has been approved by TNB in accordance with paragraph 8;
<b>“GET Contract”</b>	means a contract entered into between a GET Consumer and TNB for subscription to the GET Programme;
<b>“GET Premium”</b>	means a premium tariff rate to be charged to a GET Consumer for the subscription and consumption of Green Electricity under the GET Programme, at such rate as may be determined by the Commission, with the Minister’s approval;
<b>“GET Quota”</b>	means the allocation of Green Electricity available for subscription under the GET Programme;



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<b>“GET Programme”</b>	means a Green Electricity Tariff Programme whereby all eligible consumers will have an option to purchase Green Electricity together with mREC from TNB;
<b>“Green Electricity”</b>	means electricity generated from renewable energy resources;
<b>“ICPT”</b>	means Imbalance Cost Pass-Through and refers to the mechanism under the Incentive-Based Regulation (IBR) framework which allows TNB as the utility to reflect changes (either increase or reduction) in fuel and other generation-related costs in the electricity tariff every six months in the form of a rebate or surcharge;
<b>“kWh”</b>	means kilowatt hour;
<b>“mREC”</b>	means the Malaysia Renewable Energy Certificate in the form of an e-certificate which have been redeemed by TNBX in the relevant REC Registry for the benefit of a GET Consumer, representing the environmental attributes of the relevant amount of Green Electricity generated and delivered to the grid;
<b>“month”</b>	means a calendar month, and the word “monthly” shall be construed accordingly;
<b>“REC Registry”</b>	means an internationally acclaimed renewable energy certificate registry with which TNBX has been registered as a registrant and/or participant with a trading account from time to time;
<b>“Service Tax”</b>	means the tax payable under the Service Tax Act 2018 [Act 807];
<b>“Single Buyer”</b>	has the same meaning assigned to it in section 2 of the Act;
<b>“Tariff”</b>	means the applicable tariff rates to be charged to the consumers for the consumption of electricity, as provided

in the tariff schedule published on TNB's website or a customised electricity supply contract, as the case may be, as such rate may be determined by the Commission, with the approval of the Minister;

**“TNB”** means Tenaga Nasional Berhad (Company Registration No.199001009294 (200866-W)), a public limited liability company with the registered address at No. 129, Jalan Bangsar, 59200 Kuala Lumpur, Malaysia; and

**“TNBX”** means TNBX Sdn. Bhd. (Company Registration No: 201701040742 (1254915-P)) which is a subsidiary of TNB with the registered address at Pejabat Setiausaha Syarikat, Tingkat 2, Ibu Pejabat Tenaga Nasional Berhad, No. 129, Jalan Bangsar, Kuala Lumpur, Wilayah Persekutuan.

- 3.2. Subject to paragraph 3.1 and unless expressly indicated to the contrary or unless the context otherwise requires, terms adopted and used in these Guidelines shall bear the same meaning as they are defined in the Act.
- 3.3. If there is any conflict between the provisions of these Guidelines and those contained in the Act, the provisions in the Act shall prevail.

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#### 4. INTRODUCTION

4.1. These Guidelines are issued by the Commission for the purpose of implementing the GET Programme and is in line with the following:

(a) the function of the Commission under section 14 of the Energy Commission Act 2001 [Act 610] to promote the use of renewable energy and the conservation of non-renewable energy; and

(b) the power of the Commission under section 26 of the Act to determine tariffs and charges to be levied, by a licensee, with the Minister's approval.

4.2. The GET Programme is a programme for the sale of Green Electricity bundled together with the issuance of mREC.

4.3. The concept and main principles of the GET Programme are as follows:

(a) the GET Programme is open to all eligible consumers;

(b) annual subscription commitments are offered on a first-come, first-served basis;

(c) the Green Electricity is generated by solar power plants under the Large Scale Solar (LSS) Programme or TNB's and/or its subsidiary's hydropower stations or any other renewable energy plants as approved by the Commission from time to time; and

(d) GET Consumers are subjected to applicable Tariff with additional GET Premium on such applicable Tariff for Green Electricity subscribed and consumed.

4.4. The mREC that will be transferred by TNBX to GET Consumer shall be obtained from the REC Registry and shall be in compliance with international standards.

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**5. ELIGIBILITY**

- 5.1. Only an eligible consumer in Peninsular Malaysia may apply for a subscription to the GET Programme. An eligible consumer shall become a GET Consumer once its application is approved by TNB in accordance with paragraph 8.

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**6. GET PROGRAMME QUOTA & mREC**

- 6.1. The GET Quota, representing Green Electricity available for subscription, will be published on the Malaysia Green Attribute Tracking System or mGATS website ([www.mgats.com.my](http://www.mgats.com.my)).
- 6.2. The amount of Green Electricity that may be subscribed by a GET Consumer is subject to the GET Quota.
- 6.3. TNBX is responsible for monitoring, managing, forecasting and optimising the GET Quota based on inputs received from TNB and the Single Buyer.
- 6.4. TNBX is also responsible for managing the issuance of mREC and the transfer of the mREC to the GET Consumer.

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## **7. SUBSCRIPTION TO THE GET PROGRAMME**

- 7.1. A residential GET Consumer shall subscribe Green Electricity in blocks of 100 kWh while a non-residential GET Consumer shall subscribe Green Electricity in blocks of 1,000 kWh.
- 7.2. The term of each GET Contract shall be made up of 1 year subscription cycles with a new subscription cycle automatically commencing upon the expiry of an earlier subscription cycle based on the prevailing terms and conditions, unless the GET Consumer submits an application for termination or modification of the subscription.
- 7.3. The amount of Green Electricity that a GET Consumer can subscribe for each subscription cycle shall be less than or equivalent to thirty percent of its average monthly consumption as may be determined by TNB, or in the case of a new eligible consumer, an amount that shall be less than or equivalent to thirty percent of its average monthly consumption as may be declared by such new eligible consumer.
- 7.4. The limitation of subscription referred to in section 7.3 shall not apply to any subscription that has been subscribed by the existing GET Consumer, provided that the existing GET Consumer shall only be allowed to increase in its subscription up to thirty percent of its average monthly consumption, or if the subscription is already more than thirty percent of its average monthly consumption, the GET Consumer is not allowed to increase its subscription.
- 7.5. TNB reserves the right to review a GET Consumer's subscription of Green Electricity in events where the GET Consumer's actual consumption of electricity is lower than its subscription of Green Electricity.
- 7.6. A GET Consumer who requires increase in its subscription of Green Electricity may apply to TNB at any time during a subscription cycle. The GET Consumer's application will be a new contract if such higher subscription is approved by TNB in accordance with paragraph 8. An application for a higher subscription made in the final month of a subscription cycle but not later than 14 business days prior to the expiry of such subscription cycle will only be effective after expiry of such subscription cycle.
- 7.7. A GET Consumer who requires reduction of its Green Electricity subscription may apply to TNB upon receipt of notification from TNB, prior to expiry of a subscription

cycle that such application is open, provided that such application must be made by the GET Consumer at least 14 business days prior to expiry of such subscription cycle. The GET Consumer's application will be a new contract if such reduced subscription is approved by TNB in accordance with paragraph 8. An application for a reduced subscription will only be effective after expiry of the current subscription cycle.

- 7.8. GET Consumers shall receive mREC under its subscription on a yearly basis, within 1 month after the end of each calendar year.
- 7.9. The mREC transfer shall be done by TNB or its authorized delegate.

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**8. APPLICATION PROCESS**

- 8.1. Applications for the GET Programme will be processed and approved on a first-come, first-served basis subject to the GET Quota.
- 8.2. To apply for the GET Programme, an eligible consumer shall submit the Green Electricity Tariff Application Form as specified in Schedule 1, along with required documents to TNB.
- 8.3. Only completed applications will be processed by TNB and incomplete applications may be re-submitted.
- 8.4. The application will be verified and processed by TNB within 5 business days from the date it is submitted (date of submission excluded). If successful, notification of approval will be issued by TNB.
- 8.5. Once approved, the eligible consumer will be required to execute a GET Contract. Any stamp duty incurred shall be borne by the GET Consumer.

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## 9. METERING, BILLING AND PAYMENT

9.1. For metering purposes, the existing meter installed at the GET Consumer's premises will be used.

9.2. TNB will issue to a GET Consumer an electricity bill for every billing cycle period, being:

- (a) the period beginning on the commencement date of the GET Contract and ending on the date on which the first bill is issued by TNB to the GET Consumer, following the occurrence of such commencement date;
- (b) each 1 month period thereafter during the term of the GET Contract; and
- (c) the period beginning from the date following the last date of the immediate preceding bill and ending on the date the GET Contract expires in accordance with its terms.

9.3 For every billing cycle period:

- (a) where the electricity consumption of the GET Consumer is **more than** its subscription of Green Electricity, in addition to other applicable charges under the GET Contract and its existing electricity supply contract with TNB, the charges for the GET Consumer's electricity consumption will be calculated as follows:
  - (i) firstly, by multiplying the total units of electricity consumed (in kWh) by the applicable Tariff; and
  - (ii) secondly, with reference to the subscription of Green Electricity under the GET Programme, by multiplying the total units of Green Electricity subscribed (in kWh) by the GET Premium.

**Example 1:**

Electricity consumption = 800,000 kWh

Green Electricity subscription = 100,000 kWh

Below is an illustration for the calculation of the sum payable by the GET Consumer:

Tempoh Bil : 01.12.2021 - 31.12.2021 (31 Hari)		Faktor Prorata		
Tariff : C2 : Perdagangan Puncak/ Luar Puncak		1		
<b>Blok Tarif (kWh/kW)</b>	<b>Kegunaan (kWh/kW)</b>	<b>Kadar (RM)</b>	<b>Amaun (RM)</b>	
Kegunaan Puncak	500,000	0.365	182,500.00	
Kegunaan Luar Puncak	300,000	0.224	67,200.00	
Kehendak Maksima	1,500	45.100	67,650.00	
Jumlah			317,350.00	
Green Electricity Tariff (kWh) 100,000		0.037	3,700.00	
<b>Keterangan</b>		<b>Tidak Kena Service Tax</b>	<b>Kena Service Tax</b>	<b>Jumlah</b>
Kegunaan kWh	kWh	800,000	0	800,000.00
Kegunaan RM	RM	249,700.00	0.00	249,700.00
Kehendak Maksima	RM	67,650.00	0.00	67,650.00
Green Electricity Tariff	RM	3,700.00	0.00	3,700.00
ICPT (RM0.02)	RM	-14,000.00	0.00	-14,000.00
Kegunaan Bulan Semasa	RM	307,050.00	0.00	307,050.00
Service Tax (6%)	RM			0.00
KWTBB (1.6%)	RM			5,077.60
<b>Caj Semasa</b>	<b>RM</b>			<b>312,127.60</b>

*Note: The calculation of the sum in the illustration above is for example purposes only and shall be subjected to the customers's billing and charges.*

(b) where the electricity consumption of the GET Consumer is **equal to or less than** its subscription of Green Electricity, in addition to other applicable charges under the GET Contract and its existing electricity supply contract with TNB, the charges for the GET Consumer's electricity consumption will be calculated as follows:

(i) firstly, by multiplying the total units of electricity consumed (in kWh) by the applicable Tariff; and

- (ii) secondly, with reference to the subscription of Green Electricity under the GET Programme, by multiplying the total units of electricity consumed (in kWh) by the GET Premium.

**Example 2**

Electricity consumption = 50,000 kWh

Green Electricity subscription = 100,000 kWh

Below is an illustration for the calculation of the sum payable by the GET Consumer:

Tempoh Bil : 01.12.2021 - 31.12.2021 (31 Hari)	Faktor Prorata			
Tariff : C2 : Perdagangan Puncak/ Luar Puncak	1			
<b>Blok Tarif (kWh/kW)</b>	<b>Kegunaan (kWh/kW)</b>	<b>Kadar (RM)</b>	<b>Amaun (RM)</b>	
Kegunaan Puncak	30,000	0.365	10,950.00	
Kegunaan Luar Punc	20,000	0.224	4,480.00	
Kehendak Maksima	1,000	45.100	45,100.00	
Jumlah			60,530.00	
<b>Green Electricity Tariff (kWh)</b>	<b>50,000</b>	<b>0.037</b>	<b>1,850.00</b>	
<b>Keterangan</b>		<b>Tidak Kena Service Tax</b>	<b>Kena Service Tax</b>	<b>Jumlah</b>
Kegunaan kWh	kWh	50,000	0	50,000.00
Kegunaan RM	RM	15,430.00	0.00	15,430.00
Kehendak Maksima	RM	45,100.00	0.00	45,100.00
<b>Green Electricity Tariff</b>	<b>RM</b>	<b>1,850.00</b>	<b>0.00</b>	<b>1,850.00</b>
ICPT (RM0.02)	RM	0.00	0.00	0.00
Kegunaan Bulan Semasa	RM	62,380.00	0.00	62,380.00
Service Tax (6%)	RM			0.00
KWTBB (1.6%)	RM			968.48
<b>Caj Semasa</b>	<b>RM</b>			<b>63,348.48</b>

*Note: The calculation of the sum in the illustration above is for example purposes only and shall be subjected to the customers's billing and charges.*

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**10. MISCELLANEOUS**

10.1. The following are not taken into consideration when calculating the charges for the GET Consumer's electricity consumption with reference to the subscription of Green Electricity under the GET Programme:

- (a) any payment to the Renewable Energy Fund established under section 23 of the Renewable Energy Act 2011;
- (b) power factor surcharges;
- (c) temporary load charges;
- (d) power factor rebates;
- (e) welding equipment surcharges;
- (f) any discounts given by the Government of Malaysia; or
- (g) any other charges as may be determined by the Commission.

10.2. The Government may exempt any calculation of ICPT surcharges or rebates for the Green Electricity subscribed under the GET Programme within any period that may be determined by the Government.

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**SCHEDULE 1:  
GET PROGRAMME APPLICATION FORM**

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

**APPLICATION TYPE**

New Application	:	<input type="text"/>	Termination:	:	<input type="text"/>
Request for Higher Subscription	:	<input type="text"/>	Request for Lower Subscription	:	<input type="text"/>

**Please tick (✓) in the appropriate box**

**APPLICATION BY INDIVIDUAL/COMPANY**

Name of Applicant :  
MyKad/ Passport/Company No. :

**ADDITIONAL INFORMATION:**

Premises Address :  
Phone No. :  
Office No. :  
Email :  
TNB's Account No. :

**GREEN ELECTRICITY TARIFF (GET) SUBSCRIPTION:**

Existing Subscription :  Block      \*Subscription Applied/Higher Subscription Requested/Lower Subscription Requested :  Block  
(\*Delete whichever is not applicable)

Consumers may opt to subscribe to the GET Programme in 100kWh blocks (for residential Consumers) or 1MWh blocks (for non-residential Consumers).

Consumers applying for lower subscriptions for the next subscription cycle may submit their applications after they receive notification from TNB permitting such application. Such application for a lower subscription must be made by the Consumer in accordance with the said notification and submitted at least fourteen (14) working days prior to the expiry of the current subscription cycle.

Consumers may at any time apply for a higher subscription of Green Electricity, but applications made in the final month of a subscription cycle would only be applicable in the subsequent subscription cycle. All applications must be made not later than fourteen (14) business days prior to the expiry of the current subscription cycle.

**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 ("GET Contract") and it shall be a binding contract in addition to the existing Electricity Supply 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 [Act 709] for a lawful purpose or necessary for any matters related to electricity supply by TNB.
5. I / We hereby agree that all applications are subject to the availability of GET quota\*.
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 is any change in the information. Any failure by me/us to update the telephone number / mailing address / e-mail address will not cause TNB to be liable for any failure to deliver the notices under this GET Contract.

*\*Not applicable for application for termination of GET Contract.*

**Note:** This is a computer - generated document. No signature is required.



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