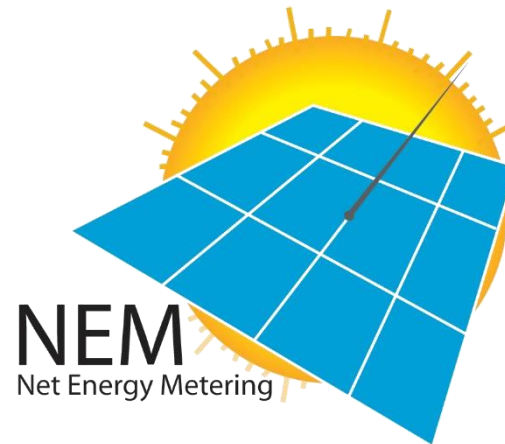




Sustainable Energy Development Authority
(SEDA) Malaysia



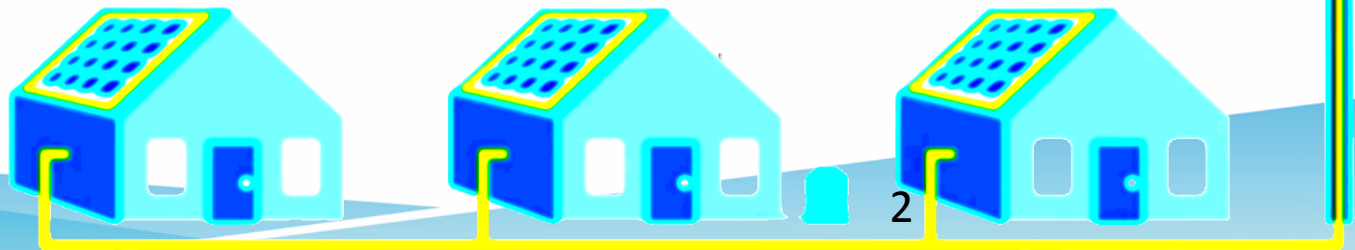
Briefing on Net Energy Metering (NEM) Scheme

18th April 2017
Eastin Hotel, Penang

What is Net Energy Metering (NEM)?

A mechanism where an eligible consumer installs a solar PV system primarily for his own use and the excess energy to be exported to the grid for which credit to be received that may be used to offset part of the electricity bill for energy provided by the Distribution Licensee (TNB/SESB) to the electricity consumer during the applicable billing period.

- For example, if a residential consumer has a PV system on the rooftop, it may generate more electricity than the home uses. The extra electricity produced will provide a credit against electricity that is consumed.





Implementation of NEM

Suruhanjaya Tenaga
(Issuer of NEM Guidelines)

SEDA
(Implementing Agency)

DL
(Customer Contract)

Domestic
Customer

Commercial
Customer

Industrial
Customer



NEM Quota (2016-2020)

Quota Allocation (proposed)

Location		Peninsular					Sabah				
		2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Category of Consumers	Domestic/Residential, MWp	20	20	20	20	20	4	4	4	4	4
	Commercial, MWp	35	35	35	35	35	4	4	4	4	4
	Industrial, MWp	35	35	35	35	35	2	2	2	2	2
Sum, MWp		90	90	90	90	90	10	10	10	10	10
Total, MWp (as at 1 st Nov 2016)		450					50				

Note: Quota allocation will be based on first-come first-served basis.



NEM Quota (Live at SEDA's Website: "e-NEM")

Quota Balance										
Region	Peninsular Malaysia					Sabah				
Year	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Domestic (MW)	0.0000	39.7991	0.0000	0.0000	0.0000	0.0000	8.0000	0.0000	0.0000	0.0000
Commercial (MW)	0.0000	69.2865	0.0000	0.0000	0.0000	0.0000	8.0000	0.0000	0.0000	0.0000
Industrial (MW)	0.0000	69.1742	0.0000	0.0000	0.0000	0.0000	4.0000	0.0000	0.0000	0.0000
Total (MW)	0.0000	178.2598	0.0000	0.0000	0.0000	0.0000	20.0000	0.0000	0.0000	0.0000

Quota Taken										
Region	Peninsular Malaysia					Sabah				
Year	2016	2017	2018	2019	2020	2016	2017	2018	2019	2020
Domestic (MW)	0.0210	0.1799	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Commercial (MW)	0.0064	0.7071	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Industrial (MW)	0.0000	0.8258	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
Total (MW)	0.0274	1.7128	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

***As of 16th April 2017**



Eligibility

- ✓ Registered consumers of Distribution Licensees (DL) only – in Peninsular Malaysia (TNB), and Sabah & Labuan (SESB)
Delinquent consumers who **have not paid their bills** (blacklisted) **and have records of meter tempering** are not eligible to apply for NEM scheme
- ✓ Open to all categories of TNB/SESB consumers under the following tariff*:
 - i. Domestic/Residential (*Kediaman*)
 - ii. Commercial (*Perdagangan*) [inclusive of government buildings]
 - iii. Industrial (*Perindustrian*)

***Refer to TNB/SESB consumers electricity tariff**
- ✓ The resource for producing electricity shall be from Solar Photovoltaic only





Installation Types and Capacity Limits

✓ Installation types:

- i. on the rooftop of buildings
- ii. on the garage, car park or similar buildings

Note: For ground-mounted system, it may be allowed on case-by-case basis and the installation shall be within the compound of applicant's premises and approved by the Energy Commission.

✓ Capacity limit:

- For domestic or residential consumers, the allowable maximum capacity of the PV system installed is 12 kWp for single phase system or 72 kWp for 3 phase system
- For commercial and industrial consumers, the allowable maximum capacity of the PV system installed is 1 MWp or 75% of maximum demand (whichever is lower) or 60% of fuse rating or 60% of current transformer rating



Rooftop Solar PV - Residential





Rooftop Solar PV



Rooftop Solar PV

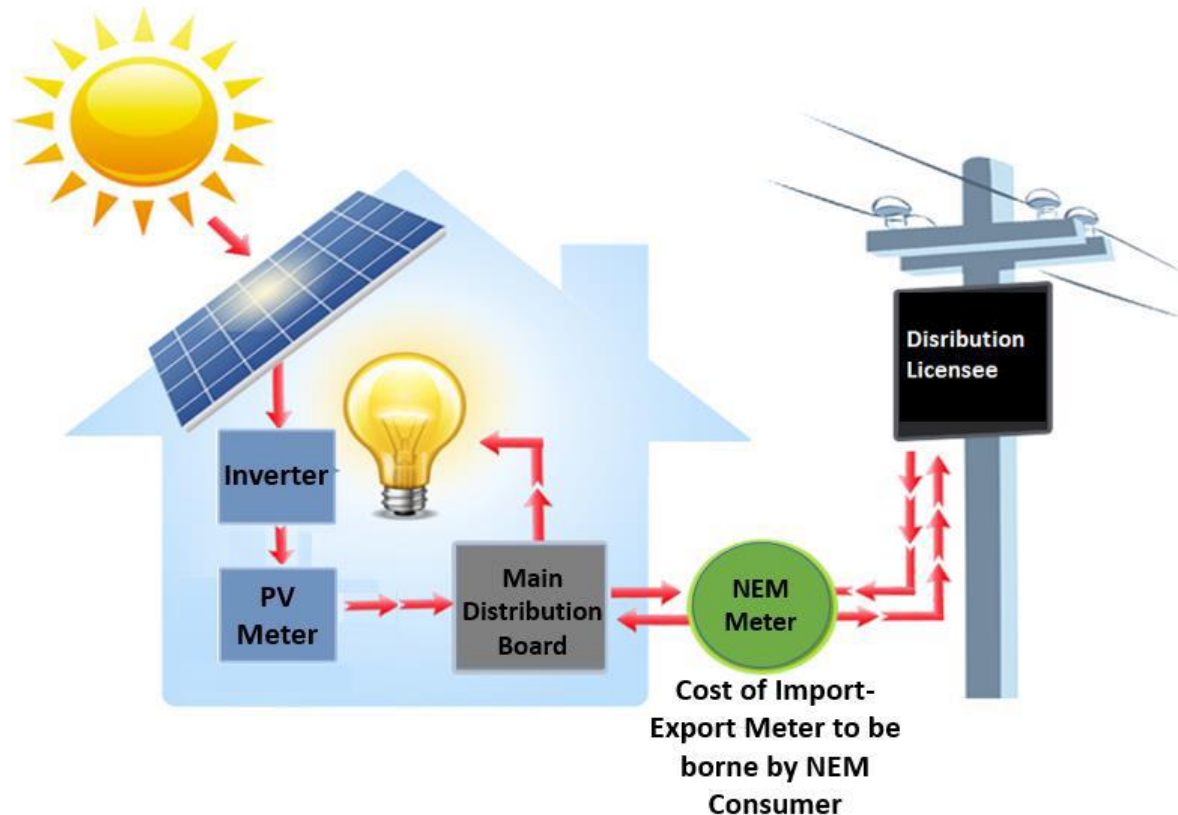


Rooftop Solar PV



Connection Type

- ✓ The connection to the DL's (TNB/SESB) network shall be done only through indirect connection, i.e. within the owner's internal distribution board only





Excess Energy

The credit (excess energy) to NEM consumer will be based on prevailing Displaced Cost for the relevant supply voltage level at the Point of Common Coupling. The calculation for the net billing of electricity will be based on the following calculation:

- ✓ Net billing = **[Energy Consumed from DL (kWh) x Gazetted Tariff] – [Energy Exported to DL (kWh) x Displaced Cost]**

Connection Point	Prevailing Displaced Cost (RM/kWh)	
	Peninsular Malaysia	Sabah & Labuan
Medium Voltage (from 1 kV to 50 kV)	0.2380	0.2200
Low Voltage (less than 1 kV)	0.3100	0.3000

- ✓ The net billing or credit shall be allowed to roll over for a maximum period of 24 months. Thereafter, the credit will be forfeited.

NEM Assessment Study

- **NEM Assessment Study (NEMAS)** report is required prior to NEM application to SEDA Malaysia.
- Shall be conducted by the relevant distribution licensee (TNB or SESB). The requirement is based on kWp of installation as below:

Installed Capacity	Study Required	Fee of Study (RM)
1 – 12 kWp	No	-
> 12 kWp – 180 kWp	Yes	1,000.00
> 180 kWp – 425 kWp	Yes	5,000.00
> 425 kWp – 1 MWp	Yes	8,000.00

Note: Study period = 30 days





NEM Assessment Study

Please contact:

TENAGA NASIONAL BERHAD (TNB)

Mr. Sansubari Che Mud

03 - 7967 9346 / 019 - 959 7745 or email Sansubari@tnb.com.my

Sustainable Energy Development

Tenaga Nasional Berhad

No. 129, Jalan Bangsar

59200 Kuala Lumpur

SABAH ELECTRICITY SDN. BHD. (SESB)

Mr. Terrence John Kouju

088 - 282 478 or email terrencek@sesb.com.my

Chief Engineer

Sustainable Energy Development,

Asset Development,

6th Floor, Wisma SESB,

Jalan Tunku Abdul Rahman,

88673 Kota Kinabalu,

Sabah





Load Profile

- 12 kW, 4 days (Friday to Monday), together with application form.
- To be prepared & signed by Competent Person (Wireman/PE)

FORM LOAD PROFILE (FORM LP) - NEM Customer Load Profile

TNB Account Number _____
 Customer Name _____
 Installation address _____
 Service Provider _____

FORECAST OF A TYPICAL DEMAND PROFILE (Friday to Monday for capacity of >12kW)

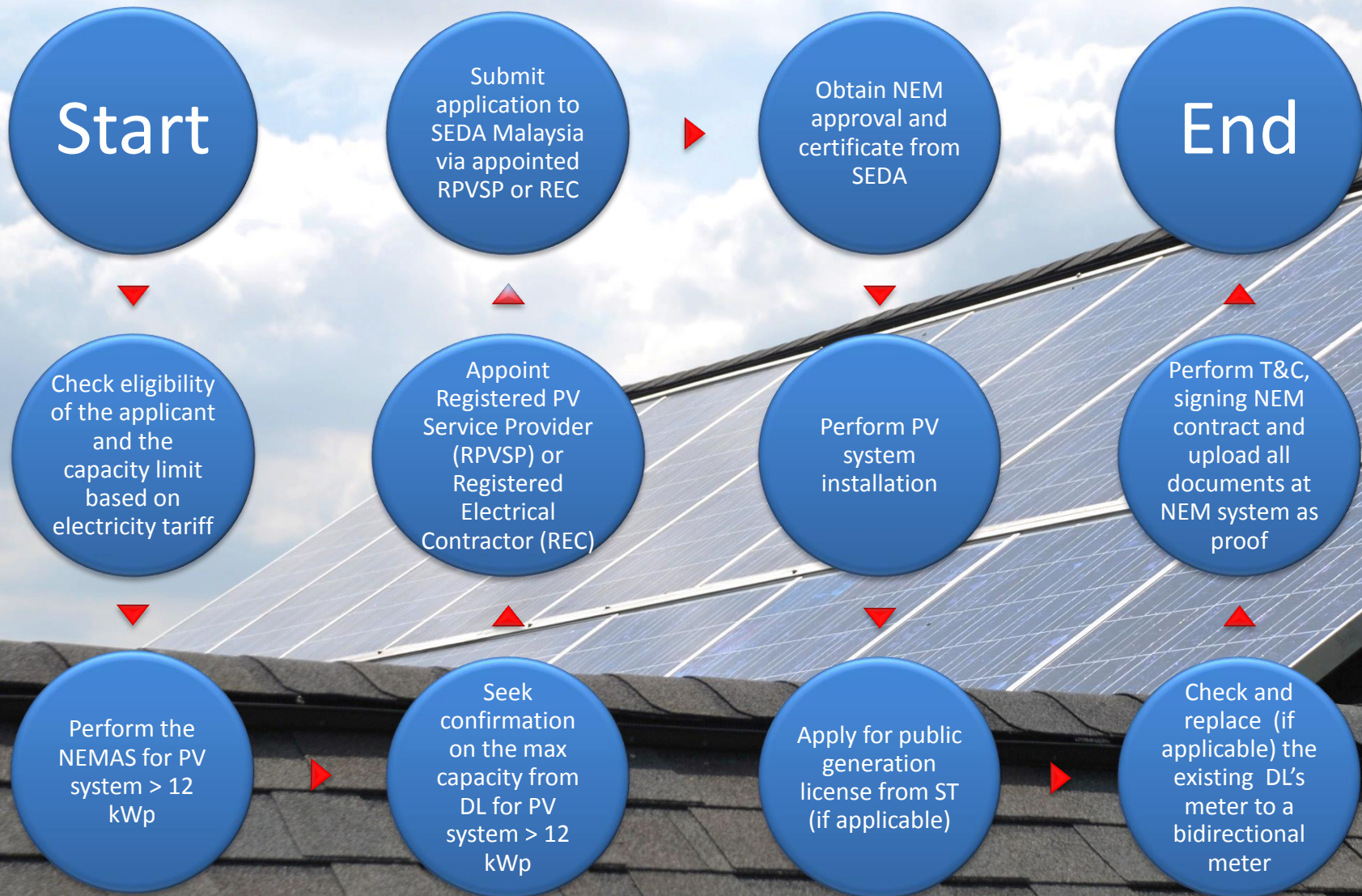
Friday				Saturday				Sunday				Monday			
Time	Voltage	Amps	MW	Time	Voltage	Amps	MW	Time	Voltage	Amps	MW	Time	Voltage	Amps	MW
7:00				7:00				7:00				7:00			
8:00				8:00				8:00				8:00			
9:00				9:00				9:00				9:00			
10:00				10:00				10:00				10:00			
11:00				11:00				11:00				11:00			
12:00				12:00				12:00				12:00			
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18:00				18:00				18:00				18:00			
19:00				19:00				19:00				19:00			
20:00				20:00				20:00				20:00			
21:00				21:00				21:00				21:00			

Note: Voltage (V) and Current (Amps) must be taken at customer incoming supply

Data taken by:

Signature _____
 Name _____

How to Apply? Process Flowchart



How to Apply?

Documents to be submitted by the Applicant:

- i. NEM Application Form (**Form A**) via online system
<https://services.seda.gov.my/nem>
- ii. Design of installation and Single Line Diagram (SLD) endorsed by relevant Competent Person under Electricity Regulations 1994
- iii. The latest three (3) months electricity bill
- iv. NEM Assessment Study (for application > 12 kW)
- v. Load profile (Friday-Monday) (for application > 12 kW)
- vi. Maximum Demand, fuse or CT rating (if applicable), endorsed by Professional Engineer or Wireman



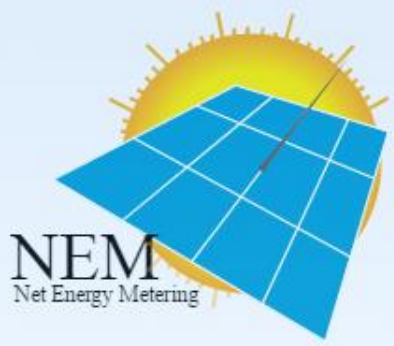


How to Apply?

The NEM Application Form shall be accompanied with information as stipulated in Form A:

- a) Applicant's Profile (Individual/Company/Other Entities)
- b) Information of project
- c) Technical information
- d) Proposed work plan





Welcome to Net Energy Metering System

Service Provider/Contractor Login

Please use your NEM Contractor credentials to login.

[Forgot password?](#)

[Not a Service Provider/Contractor ?](#)

[NEM's Contractor Registration](#)

This system functions best with Google Chrome and Mozilla Firefox browsers.

Quota Balance					
Region	Peninsular Malaysia				
Year	2016	2017	2018	2019	2020
Domestic (MW)	0.0000	39.8031	0.0000	0.0000	0.0000
Commercial (MW)	0.0000	69.2865	0.0000	0.0000	0.0000
Industrial (MW)	0.0000	69.1742	0.0000	0.0000	0.0000
Total (MW)	0.0000	178.2638	0.0000	0.0000	0.0000

Quota Taken					
Region	Peninsular Malaysia				
Year	2016	2017	2018	2019	2020
Domestic (MW)	0.0210	0.1759	0.0000	0.0000	0.0000
Commercial (MW)	0.0064	0.7071	0.0000	0.0000	0.0000
Industrial (MW)	0.0000	0.8258	0.0000	0.0000	0.0000
Total (MW)	0.0274	1.7088	0.0000	0.0000	0.0000



Things You Need to Know

✓ **NEM Application and Installation**

Application can be made either by Registered PV Service Providers (RPVSPs) or ST's Registered Electrical Contractors (RECs) via online at SEDA's portal. Installation shall be done and endorsed by ST's Registered Electrical Contractor.

✓ **Verification and approval**

NEM application shall be processed by SEDA within 30 days from the date of complete submission. NEM certificate will be issued to the successful applicants.

✓ **Application fee**

The application fee for NEM scheme shall be at a rate of RM10/kWp during application. The fee paid is not refundable even if the application is unsuccessful or rejected.



Things You Need to Know (cont.)

✓ NEM meter

TNB/SESB's existing meter shall be bi-directional (with import-export feature). The replacement (if required) shall be borne by NEM consumer. Consumer may install check meter for export measurement – of the same type prescribed by TNB/SESB.



✓ Goods and Services Tax (GST)

Each energy exported to the grid under the NEM scheme is subjected to GST and if NEM consumer is a GST-registered person or company, he/she shall invoice the DL for the electricity exported to the grid. The calculation of tax involved for the exported energy will be based on the following calculation:

Invoice to DL = **Energy Exported to DL (kWh) x Displaced Cost x 6% GST**





FAQ's

Q: What is the maximum duration allowed from application to proposed NEMCD?

A: 12 months from the date of NEM application until the date of proposed NEM contract with TNB/SESB, failing which the quota allocated will be refused and offered back to other potential NEM applicants.

Q: What types of meter are required for NEM?

A: 2 types of meter are required as below:

- i. TNB/SESB's bi-directional meter** (with import-export feature) to record the amount of electricity consumed, produced or exported;
- ii. PV meter/data logger/inverter with monitoring feature** to record the total amount of electricity generated by the PV system.

Optional - May install check meter for measurement of the energy export (if applicable) and shall be of the same or equivalent to the standards of the consumer meter installed at the premises by TNB/SESB;



FAQ's

Q: Am I eligible to participate in NEM?

A: Yes, as long as you are a customer of TNB/SESB. The basis is always your electricity bill. Please ensure you are a registered customer of TNB/SESB (your name/ company as appeared in the TNB/SESB bill), only then you are eligible to participate in NEM.

Q: If I plan or have installed Solar PV system for self-consumption (SELCO) and have taken the necessary steps to ensure no reverse flow or energy exported to the grid, do I need to apply for NEM?

A: No, but for PV system with capacity above 72 kWp, generation license (private) from ST is required and subject to complying with the relevant rules under the Electricity Supply Act (ESA).

Q: How long is the validity period of the NEM contract?

A: The NEM contract shall be effective on the day of NEM contract signing with both parties. The NEM contract shall remain in effect unless otherwise terminated by either party or cancellation of the main electricity contract.



FAQ's

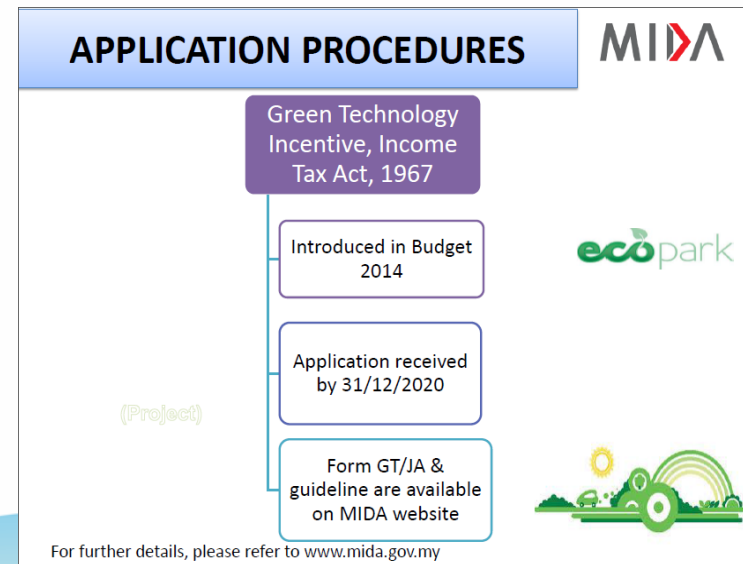
Q: Is a non-local / 100% foreign company eligible to participate in NEM?

A: Yes, as long as he/she/it is a customer of TNB/SESB.

Q: What types of incentives available for NEM consumers?

A: At the moment there is fiscal incentives offered to eligible companies in the form of Green Technology Incentive by Malaysia Investment Development Authority (MIDA), available until 2020.

<http://www.mida.gov.my/home/tax-incentives-for-green-industry/posts/>





NEM: Documents and Downloads

www.seda.gov.my → Net metering

- NEM guidelines
- Manual application form and e-NEM System (online application)
- NEM contract
 - Domestic/residential
 - Non-domestic (commercial & industrial)
- Technical guideline for connection of indirect solar PV under NEM scheme
- Procedure for NEM Meter application and signing NEM contract with TNB





Application Form

Form A (NEM Application Form)

BORANG PEMOHONAN PEMBERIAN TENAGA BERSIH NET ENERGY METERING (NEM) APPLICATION FORM

Sila masukkan butiran permohonan anda ke:
 (Untuk kegunaan peribadi sahaja)
 (For office use only)
 Suruhanjaya Tenaga
 Sustainable Energy Development Authority Malaysia
 Seksyen PPL, Aries 5, Jalan PDR
 Terengganu Perdana, Presint 4,
 62100 Putrajaya, MALAYSIA
 Tarikh Menerima / Date Received: _____
 Nama / Name: _____
 No. Tel / Tel No.: _____
 Faks / Fax No.: _____
 E-mel / E-mail: _____

MAKLUKUT MAMPUAN PEMOHONAN / APPLICANT INFORMATION

KATEGORI / CATEGORY 1. Pemilik atau Pemilik / Owner or Residential
 2. Pemilik atau Pemilik / Owner or Commercial or Industrial
 3. Pemilik atau Pemilik / Owner or Other

MAKLUKUT PEMOHONAN INDIVIDUAL (Jika berkenaan) / FOR INDIVIDUAL (if applicable)

BUKTIAN PEMOHONAN/PELAKSANA KUALA
 Nama Pemohon / Applicant Name: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

ALTERNATIF ORANG YANG BERTUJUK ORANG / ALTERNATE CONTACT PERSON

Nama / Name: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

MAKLUKUT PEMOHONAN PERUSAHAAN / COMPANY INFORMATION

BUKTIAN PEMOHONAN/PELAKSANA KUALA
 Nama Syarikat / Company Name: _____
 Nama / Name: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

2.0 Site information:

2.1 Documents proving the Applicant's ownership of the site, or an unconditional/conditional rights (e.g. after agreement that the Applicant has to utilize/leave the site for a minimum period equivalent to the effective period)

3.0 Technical information:

3.1 Installation less than 720W: The detailed engineering design of the renewable energy installation, including all relevant calculations to justify the installed capacity and claimed efficiencies, proposed plant layout and AC/DC single line diagram certified by relevant Competent Person under Electricity Supply Act 1996 and the regulations thereunder; or

3.2 Installation exceeding 720W: Report on the Net Energy Metering Assessment Study, Conducted in accordance with the Renewable Energy (Technical and Operational Requirements) Rules 2011

3.3 Product data sheet/ Technical parameter for all electrical components. Please provide rating of each electrical components (EOL, EOL, inverter, PV modules, inverters)

3.4 Items used Profile (Form 01) - NEM Customer Load Profile

3.5 If use battery storage, please provide detail design.

4.0 Billing information:

4.1 A copy of three (3) months electricity bill (latest)

5.0 Competent Person and Electrical Contractor Certificates:

5.1 Administrative Certificates:
 i. A certificate of registration as an Electrical Contractor issued by ST;
 ii. A certificate of registration as a Professional Engineer (Electrical) with Board of Engineers Malaysia for each Competent Person;
 iii. A certificate of Competency as a Workman issued by the ST for each Competent Person;
 5.2 Non-mandatory certificates:
 vi. A certificate of Competency in GCPV System Design issued by ST for each Competent Person;
 vii. A certificate of Competency as a Workman in GCPV System issued by SEDA Malaysia for each Competent Person;

5.3 Others (Please specify):
 i) _____
 ii) _____
 iii) _____
 iv) _____

ORANG YANG BERTUJUK ORANG / CONTACT PERSON

Gelaran/Jabatan: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

MAKLUKUT PERUSAHAAN / COMPANY INFORMATION

BUKTIAN PEMOHONAN/PELAKSANA KUALA
 Nama Pemohon / Applicant Name: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

MAKLUKUT PEMASANGAN / INFORMATION OF INSTALLATION

Nama Pemohon / Applicant Name: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

2.3 MAKLUKUT PERASANGAN PREMIS / INFORMATION OF PREMISE INSTALLATION

Tajuk / Title: _____
 Alamat / Address: _____
 Nama / Name: _____ No. Melayu: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

3.0 PENYUJUKAN PERUSAHAAN / DECLARATION FOR NEM APPLICATION

3.1 PERNYATAAN PEMOHONAN / APPLICANT DECLARATION

***TO BE FILED BY APPLICANT (INDIVIDUAL) (if applicable)**

I, Name: _____, Mykad No./Passport No.: _____
 (Registration) _____ of a (name of the Company/Organization/Etc) _____
 (address of the Company/Organization/Etc) _____

By signing this Form I (Name): _____, I declare that:

an authorized representative of this Applicant sincerely declare the following:

- I hereby authorize (name of the Competent Person) _____ as the Competent Person to act on my behalf to manage my NEM application; OR
 I hereby declare myself with Mykad No./Passport No.: _____ as a Competent Person to manage my own NEM application; (please state/where applicable);
- I hereby affirm that the Competent Person appointed here is a Competent Person within the definition of a Competent Person under Electricity Supply Act 1996 (Act 447) and the regulations thereunder;
- I hereby confirm that I have not committed any offences under the Electricity Supply Act 1996 (Act 447) and/or any other relevant laws and regulations pertaining to the supply and licensing of electricity;
- I hereby certify that all information given is true and correct to my knowledge and belief;
- I understand and agree that SEDA Malaysia will have the right to take any action including to forfeit all initial fees paid, if any of the information given is false;
- SEDA Malaysia shall not be held liable for any loss, damage and inconvenience suffered by me after my application has been approved by SEDA Malaysia;
- I hereby agree, understand and will comply with all the relevant laws and guidelines applicable to this application; and
- For whatever reason my application is rejected by THE SEDA after my application being approved by SEDA Malaysia, all application fees paid by me or by the authorized Competent Person to SEDA Malaysia shall not be refunded.

Name: _____
 Mykad No. / Passport No.: _____
 Date: _____

3.4 MAKLUKUT TEKNIKAL / TECHNICAL INFORMATION

Location / Equipment	Amount / Brand	Model	Quantity / Quantity
a) Modul / Module (no. / type)			
b) Penyambung / Inverter			
c) Datalogger (Optional) *The capacity more than 720W will be insured for 100 L-curve			

3.5 TERMAKLUK PERUSAHAAN / TECHNICAL SELF ASSESSMENT

*Sila pilih kategori Komersial atau Industri / Commercial or Industrial Category Only

Permit Puncak Wataas / Singg / Daylight Peak Demand (Lamp to Lamp) _____
 Armatuara Tersebut Wataas / Singg / Daylight Peak Demand (Lamp to Lamp) _____
 Permittan Maksimum Dikurangkan / Declined Maximum Demand: _____
 75% Permittan Maksimum Dikurangkan / 75% of Declined Maximum Demand: _____
 (jelas-jelas peranti / 2 baharu, satu replakan jurus MD / If peranti is 2-year, provide two example)

Nota: Data akan diambil pada masa penyediaan projek. Sila rujuk Form Load Profile (Form 01) - NEM Customer Load Profile dan Data akan diambil pada masa penyediaan projek. Peranti peranti Load Profile (Form 01) - NEM Customer Load Profile

3.7 JURUTERA PERUSAHAAN ELEKTRIKAL (DIA PERLU) / PROFESSIONAL ENGINEER (ELECTRICAL) (IF REQUIRED)

Maafkan sistem solar ini adalah 720W kerana kapasiti sistem peranti ini melebihi 720W sahaja

Nama Syarikat: _____ No. Melayu: _____
 Nama / Name: _____ No. Tel / Tel No.: _____
 (M. / M'sia./M'sia/Other Submitter) _____
 No. Fax / Fax No.: _____
 E-mel / E-mail: _____

No. Pendaftaran Jurutera Profesional / Professional Engineer Registration No.: _____

BAHAGIAN 1 / PART 1: HUKUM KUALA YANG DILAKUKAN / SECTION 1 / ENFORCEABLE LAW PLAN

No.	Pemunggal / Molecules	Anggaran Tarikh Akhir / Estimated Due date
1	Surat Persekitaran NEM (Mampankan) / NEM application submission date	
2	Cadangan untuk memohon/submit permohonan NEM / Proposed date for signing of NEM contract	
3	Persekitaran Lesen Persekitaran Persekitaran Suruhanjaya Tenaga (ST) / Application Generating License (ST) (Persekitaran lesen solar per rumah / Solar home longer term license) atau / 200W (Persekitaran lesen solar per sistem / Solar system for more than 200W (single phase non-inverting) / 200W three phase only)	
4	Tarikh cadangan STC Suruhan Persekitaran Lesen Persekitaran (Single phase non-inverting) / STC proposal date with Distribution License (for changing utility meter)	
5	Tarikh Persekitaran NEM / STC Commencement date	

BAHAGIAN 2 / PART 2: HUKUM KUALA YANG DILAKUKAN / SECTION 2 / ENFORCEABLE DOCUMENTS CHECKLIST

Maafkan sistem solar ini adalah 720W kerana kapasiti sistem peranti ini melebihi 720W sahaja

1.0 Applicant information:

1.1 (Individual For Domestic Category)
 Applicant's Manual (Form and back) / Proposal (for foreign parent)
 Company / Organization / Society / Commercial study (if applicable)
 Nama Syarikat / Company Name: _____
 i. Company Form 8 (Certificate of Incorporation of Public Company) or Form 9 (Certificate of Incorporation of Private Company) in connection with the Applicant under the Companies Act 2003, (Organization / Body Corporate). The certificate from the appropriate authority certifying that the body has fully been constituted under the said written law.
 ii. Organization Document: The certificate of registration issued by the Malaysia Co-operative Societies Commission.
 iii. Organization Form 1: The certificate of registration Form 1 of the firm issued by the Registrar of Business, or the letter or certificate relating to the constitution of the firm from bodies regulating the profession in which the firm is practicing in.
 iv. Organization Registered Account: The certificate of registration issued by the Malaysia Co-operative Societies Commission.
 v. Organization Form Letter: The certificate of registration of the care center issued by the Social Welfare Department of Malaysia or the relevant religious authority.
 vi. Organization Registered Account: The certificate of registration of the place of worship issued by the relevant religious authority, or the certificate of registration of the society in charge of the place of worship issued by the Registrar of Societies and a letter from the relevant local authority confirming that the place of worship has duly obtained a certificate of completion and compliance or certificate of fitness or other applicable approval or
 vii. Organization Educational Institution: The certificate of registration of the educational institution issued by the Ministry of Education; or in the case of religious schools, the certificate of registration of the religious school issued by the relevant religious authority.

3.2 PERNYATAAN PERUSAHAAN / DECLARATION FOR NEM APPLICATION

***TO BE FILED BY APPLICANT (INDIVIDUAL) (if applicable)**

I, Name: _____, Mykad No./Passport No.: _____
 (Registration) _____ of a (name of the Company/Organization/Etc) _____
 (address of the Company/Organization/Etc) _____

By signing this Form I (Name): _____, I declare that:

- I am representing the owner of the premises and the information furnished above is true to my knowledge and belief;
- I confirm that the solar PV system design comply to the standards IEEE 1547, MS 1887 and other relevant requirements as per present utility practices;
- I fully verify that the site conditions fit for installation of the solar PV system as per applicable regulations;
- I hereby acknowledge that all information given is true and the SEDA Malaysia shall have the right to take any action if the above information are false;

Name of Competent Person: _____
 Mykad No./Passport No.: _____
 Date: _____
 Competent Person Stamp: _____

No. Akaun : 1510 00129055 01
 No. Kontrak : 131429
 Deposit : RM500.00
 No. Invois Cukai : 206129820

NEM CUSTOMER
 12, JLN PING PONG
 SEKSYEN 20
 40100 SHAH ALAM SELANGOR

SAMPLE

TENAGA NASIONAL
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TNBCareLine
 1 300 88 5454 (Perayaan Bil & akaun)
 15454 (Gangguan bekalan)
 tnbcareline@tnb.com.my
 www.tnb.com.my
 www.facebook.com/tnbcareline

Jumlah Perlu Dibayar RM 265.80

Tarikh Bil : 04.03.2016

Bil OPC - NEM

	Amaun	Bayar Sebelum
Tunggakan	RM -	
Caj Semasa	RM 265.82	04.04.2016
Penggenapan	RM -0.02	
Jumlah Bil	RM 265.80	

Bil Terdahulu (02.02.2016)	RM 389.50	Bayaran Akhir (20.02.2016)	RM 389.50
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Jenis Bacaan **Bacaan Sebenar**

Tempoh Bil	: 02.02.2016 - 04.03.2016 (31 Hari)	Faktor Prorata	1.00000
Tariff	: A - 13 (Domestik)		

Blok Tariff (kWh)	Blok Prorata (kWh)	Kadar (RM)	Amaun (RM)
200	200	0.218	43.60
100	100	0.334	33.40
300	300	0.516	154.80
300	274	0.546	149.60
Jumlah	874		381.40

Keterangan	Tidak Kena GST	Kena GST	Jumlah
Kegunaan (kWh Import)	kWh 300	574	874
Kegunaan ICPT (RM0.0152-)	RM 77.00	304.40	381.40
Kegunaan Bulan Semasa	RM -4.56	-8.72	-13.28
6% GST (6% x RM295.68)	RM 72.44	295.68	368.12
KWTBB (1.6%)	RM		17.74
	RM		6.10
Jumlah Caj Semasa Import	RM		391.96
kWh Eksport: 500 @ RM0.238	RM	119.00	119.00
6% GST (6% x RM119.00)	RM		7.14
Jumlah Caj Semasa Eksport	RM		126.14
Jumlah Caj Bersih	RM		265.82

No Meter	Faktor Meter	Bacaan Meter		Kegunaan	Unit	
		Dahulu	Semasa			
M98044931	1.0000	6719	7593	874	kWh	Import
M98044931	1.0000	4000	4500	500	kWh	Eksport



NEM CUSTOMER
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Untuk maklumat bil dan bayaran terdahulu, sila layari -
<https://e-services.tnb.com.my/eservices>

Untuk pertanyaan, sila hubungi:
 TNB Shah Alam
 xxxx
 xxxx
 xxxx
 Tel: 03-xxxxxxx
 Fax: 03-xxxxxxx

Subsidi Bahan Api Dibiayai Kerajaan Persekutuan RM62.15

GST bagi penggunaan domestik 300kWh dan ke bawah berkadat sifar.

KWTBB - Kumpulan Wang Tenaga Boleh Baharu

ICPT - Imbalance Cost Pass Through / Pelepasan Imbangan Kos Penjanaan

What are the benefits of NEM to the consumers?

- Encourage consumers to play an active role in renewable energy (RE) generation, which addresses climate agenda and national energy security
- Reduction in greenhouse gas emissions
- Hedge against any possibility of future electricity tariff increase
- Availability of power for consumer during grid failure (if energy storage system is incorporated)

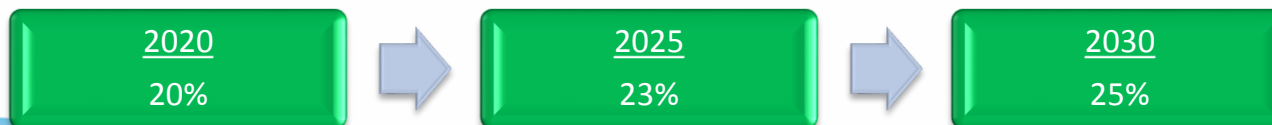


Malaysia's Commitments



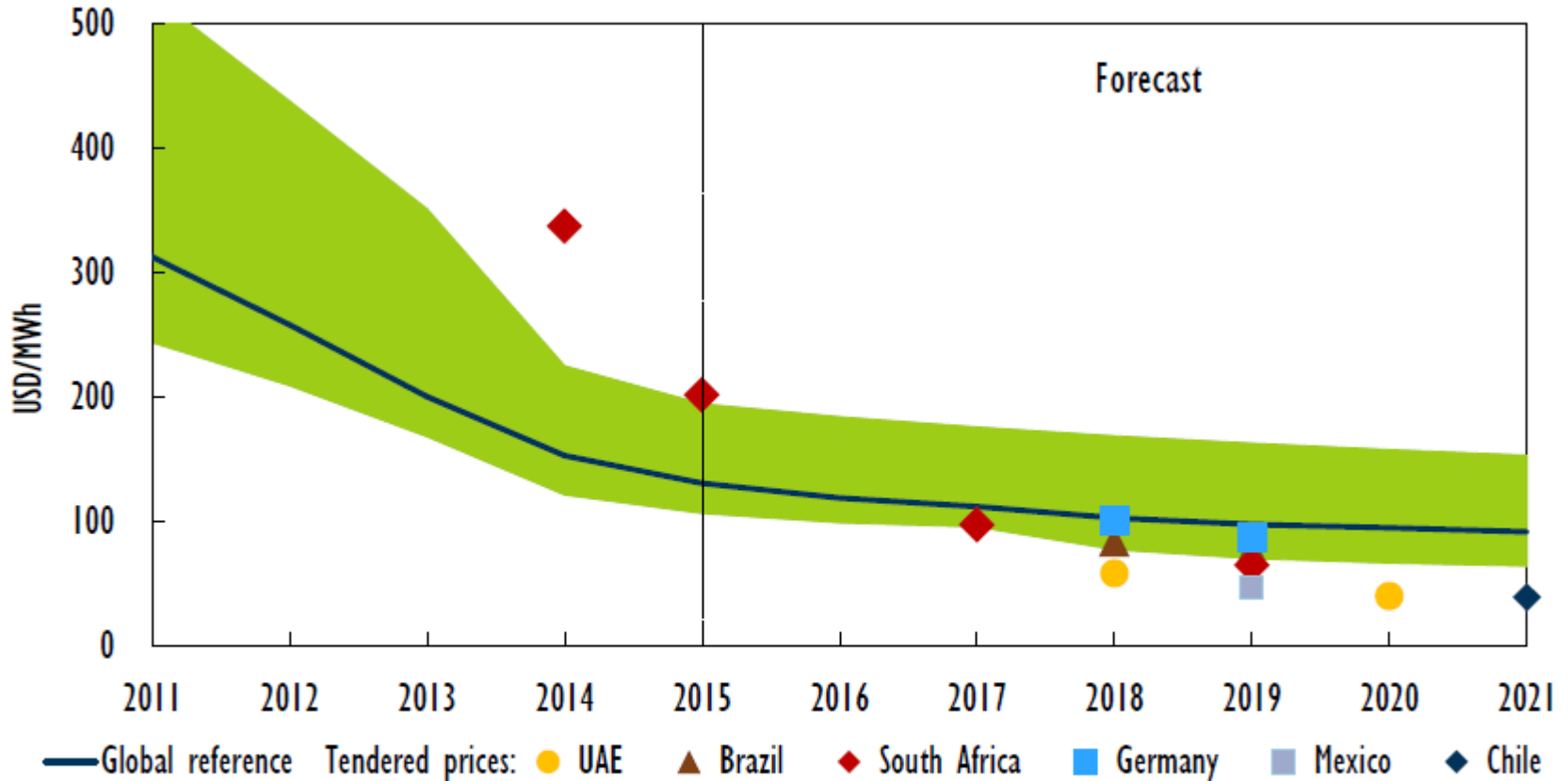
- Malaysia's NDC: reduce its GHG emissions intensity of GDP by **45% by 2030** relative to the emissions intensity of GDP in 2005

Target for RE Mix in Electricity Generation



Solar PV Costs Continue to Decline Globally

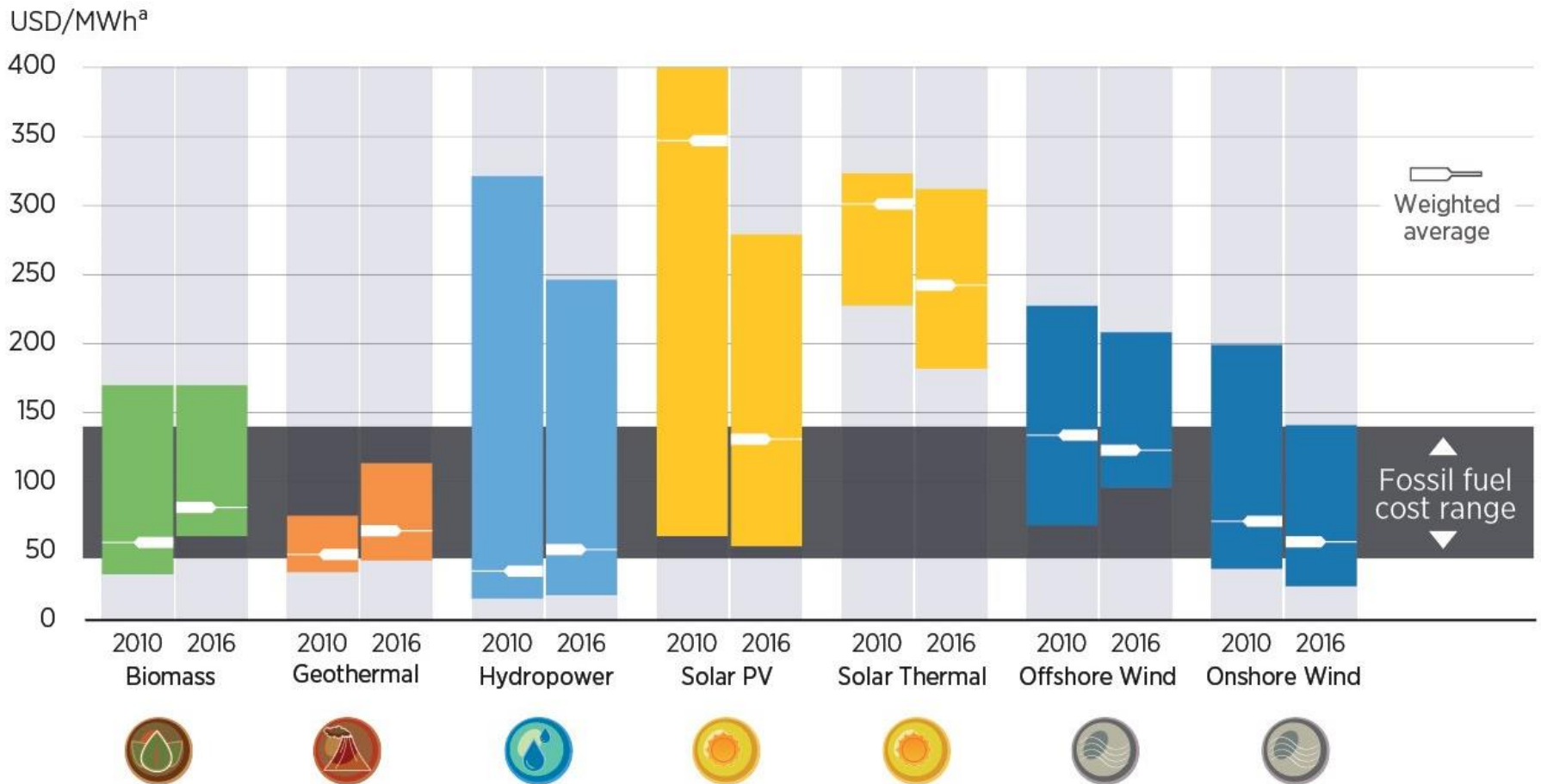
Utility-scale solar PV generation cost and contract prices



Utility-scale solar PV generation costs to fall by another quarter over 2015-21; competitive tenders may result in even faster cost reductions



Comparison of LCOE of Various RE Sources

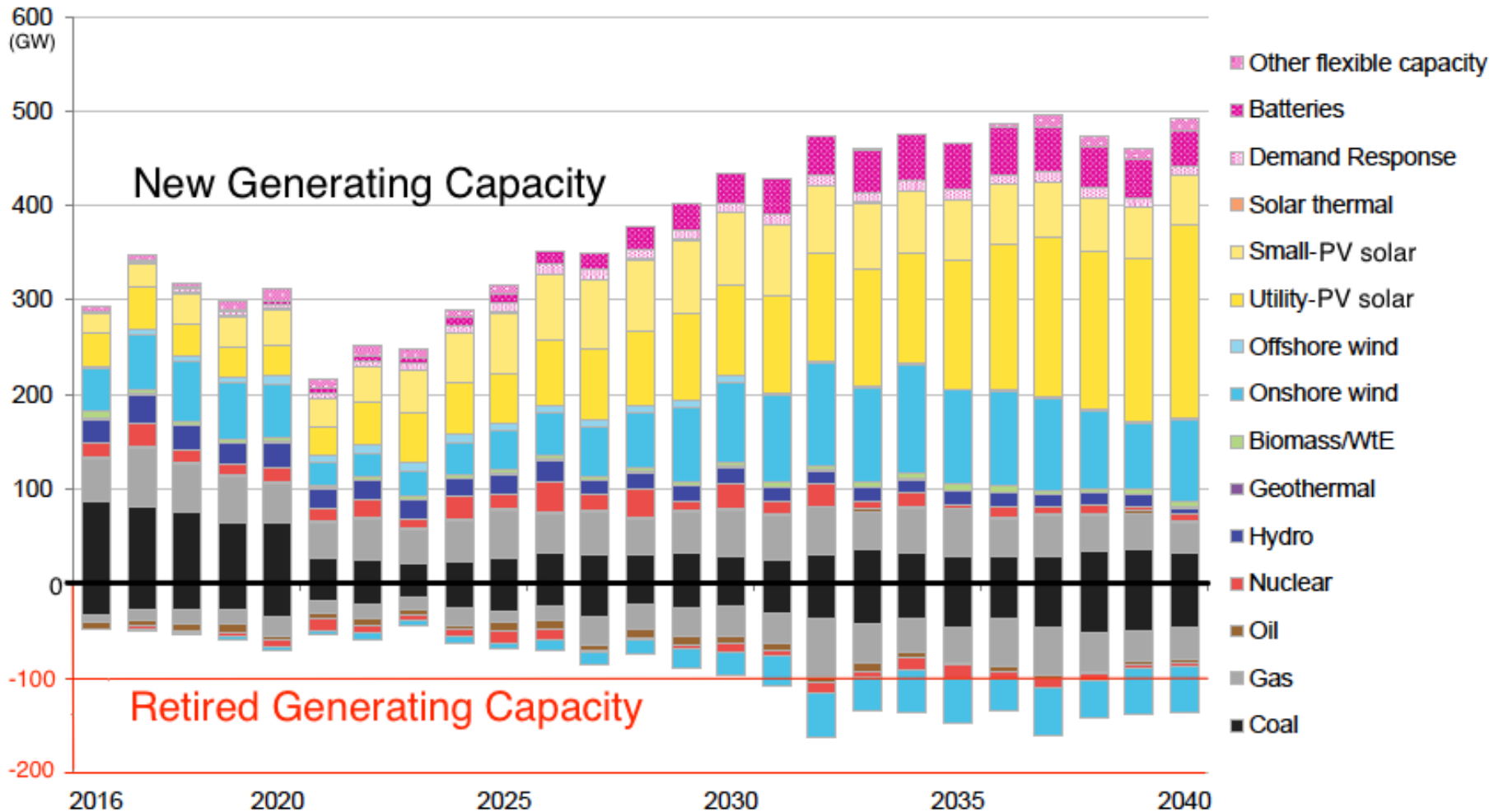


Levelised cost of electricity for utility-scale power (ranges and averages), 2010 and 2016



Solar Will Soon Dominate

Over the next 25 years, 68% of new electricity capacity will be renewable



Dare We Dream a 100% RE Scenario?

“The transition to a world that runs on 100% renewable resources is not a choice, but an inevitability.”

– Arash Aazami,
Founder of Kamangir – Beyond Boundaries



Source: IRENA

Already Running on 100% RE

- Costa Rica
- Iceland
- Lesotho
- Certain states and cities in various countries in North America & Europe

Targeting to Have 100% RE

- 47 developing countries pledged to go 100% RE during COP22
- Nordic countries
- RE100 companies
- Many other states and cities

For further enquiries, please contact:

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Tel: +6088-252101/251462

E: NEM@seda.gov.my

W: www.seda.gov.my

Thank You

