

NEM SCHEME GENERAL INFORMATION

For more detail information, please visit www.sarawakenergy.com

A. INTRODUCTION

Net Energy Metering (NEM) scheme is a billing mechanism that credits direct Solar Photovoltaic (PV) system owners for the electricity they add to the grid.

B. APPLICATION

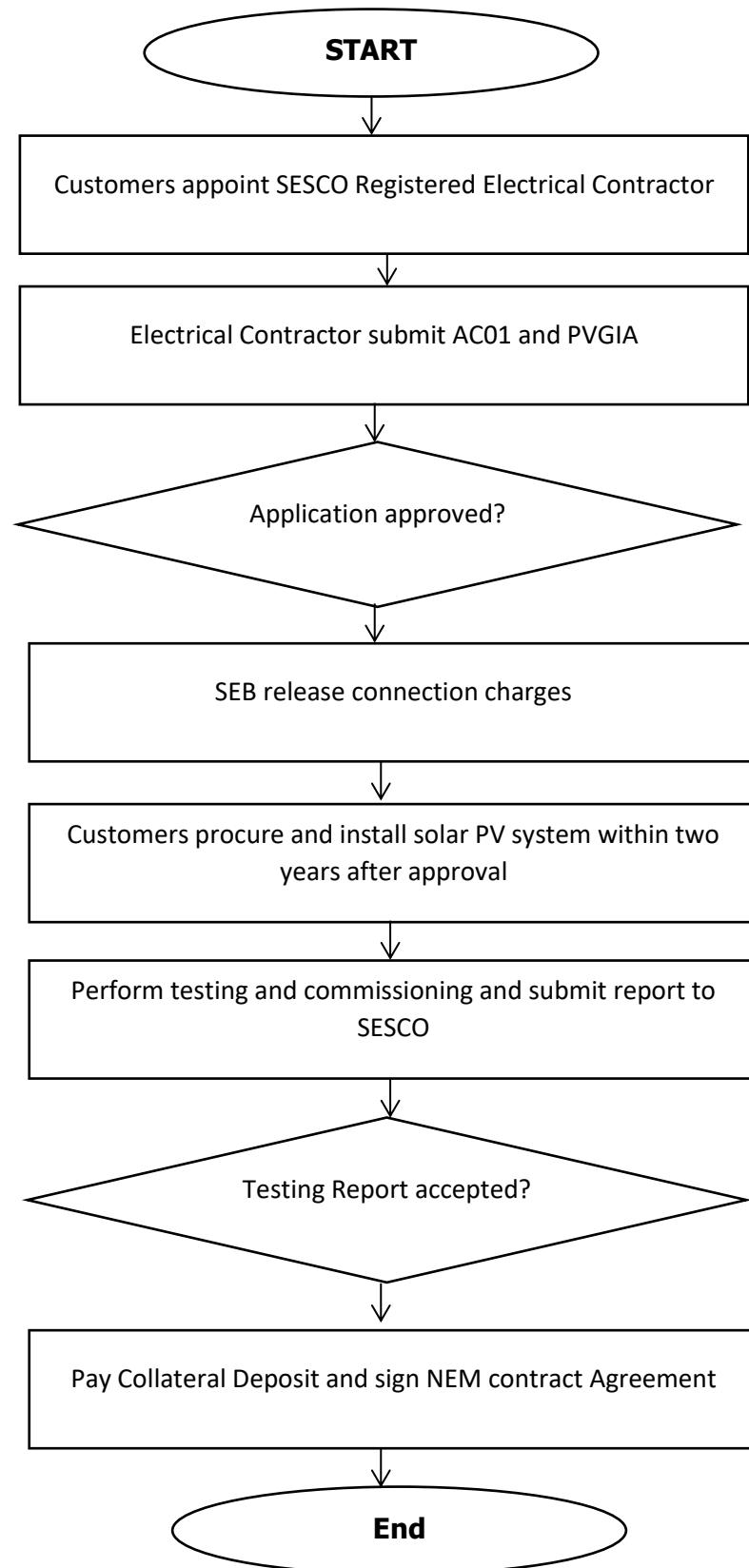
Duly completed forms and supporting documents shall be submitted by the appointed Sarawak Energy Registered Electrical Contractor on behalf of their client to **Sarawak Energy's Customer Service Counter**:

- (a) PVGIA Form = PV generation interconnection application.
- (b) AC01 Form = PV Meter application.
- (c) Supporting Documents includes PV Panel Specification, Inverter Specification, Auxiliary Specification (Isolator, Breaker, SPD, etc.), Solar Schematic Drawing with Interconnection Point (Certified by SEDA GCPV Designer), Overall Layout and Location Plan, Work Schedule, Estimated Monthly Energy Generation, copy of Chargeman L4 Certificate and copy of SEDA GCPV Designer Certificate.

C. NEM CONTRACTOR

1. All NEM applications shall be submitted by the appointed Sarawak Energy registered electrical contractor on behalf of their client.
2. The electrical contractor shall engage the following competent persons for the design, installation and testing & commissioning of the PV system:
 - (a) Internal Wiring – Certified Wiremen EIU
 - (b) PV Designer – Certified GCPV Designer by SEDA
 - (c) PV Installer – Certified GCPV Installer by SEDA, EIU L4
3. All PV Meter installations shall be performed by Sarawak Energy Retail Department.

D. NEM APPLICATION WORKFLOW



E. SOLAR PV SYSTEM FOR NEM

1. Capacity limit:
 - (a) 12kWp for Single Phase
 - (b) 20kWp for 3 Phase
 - Subject to quota availability (Not more than 75% of the total maximum transformer loading in the area from 11hrs to 1500hrs in the past 6 months).
 - Applicants shall install the solar PV system with the capacity that generates energy not exceeding 75% of the average consumption for the past 12 months.
2. Types of installation allowed are PV modules that can be installed on the rooftop of building, garage, car park, and similar structures.
3. Installation other than (2) above, the applicant may seek Sarawak Energy's recommendation including safety aspect of the installation as support for approval from the Director of Electricity Supply.

F. NET ENERGY METERING ASSESSMENT STUDY (NEMAS)

1. Sarawak Energy may request a NEMA Study (NEMAS) for cumulative NEM Solar PV installations undertaken simultaneously in an area, e.g., large housing estate with all solar rooftops to assess the potential impact of the Solar System on the planning and operation of the Grid system for the area.
2. NEMAS shall be performed by the Customer's appointed Consultant.
3. The Consultant shall apply for an appointment letter from SEB for the *<Project>* and *<Client>* before they proceed to carry out NEMAS for their client.
4. NEMAS framework shall meet all SEB's requirements and checklist.

G. OTHERS

1. Solar PV System exceeding 20kWp for single installation shall require generating licence.
 - a) The applicant shall submit the following for application of generating licence:
 - cover letter to include total applicant name, installation locality and installed capacity;

- grid connection requirement; and
 - refer to mut.sarawak.gov.my for more information.
- b) The application shall be made to Ministry of Utility and Telecommunication, Sarawak.
- The application shall be process as a normal generating licence application.

H. CONTACT PERSON

1. Sarawak Energy Bhd:
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2. Ministry of Utility and Telecommunication:
Mohamad Shukor bin Hamid
No. Tel: 082-551000
Email: mohamsh4@sarawak.gov.my

I. REFERENCES

1. <https://www.sarawakenergy.com/customers/net-energy-metering-scheme>.
2. Engineering Circular No. 15/2021 Guidelines and Requirements for User System Connection to the Sarawak Grid System.
3. Engineering Circular No. 17/2021 Guidelines for Solar Photovoltaic Installation on Net Energy Metering Scheme.
4. Engineering Circular: EC/ESD/01/2021 Guidelines for Solar Photovoltaic Installation on Net Energy Metering Scheme.
5. NEMAS checklist.