Information leaflet

Small-Scale Solar Photovoltaic Energy Netting Regulation

Issued by:
The Regulation and Supervision Bureau for the water, wastewater and electricity sector in the Emirate of Abu Dhabi

July 2017

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Typical installation of a solar Photovoltaic (PV) system

Self-regulation Generation (Solar PV) Licence Process Flow Chart

Solar PV integrators

Contractors applying for a licence specific to Solar PV System Integrators are required to submit the following information for evaluation of their licence request to the relevant Distribution Company:

1. The Contractor must submit the following documents as part of the Competency Licence Application:
   a) Copy of sponsor’s or national partner’s passport.
   b) Copy of a valid Municipality, Department of Economic Development, Abu Dhabi, licence.
   c) Copy of a valid Membership Certificate of Abu Dhabi Chamber of Commerce and Industry.
   d) Copy of a valid lease contact in the name of the Contractor.
   e) Copy of Engineer’s Registration Certificate (Electricity Wiring Regulation Course EU) for the person named as such in the application.
   f) For each technical staff member named in the application:
      i. A copy of passport and a valid Abu Dhabi residence visa page showing sponsorship of the Contractor.
      ii. Experience record or curriculum Vitae along with references.
   g) A copy of the notarised Power of Attorney for the Registered Engineer’s authorised signatory.
   h) A copy of the registered Power of Attorney for the Registered Engineer’s authorised signatory.

2. The Competency Licence Application must be signed and dated by the Contractor’s authorised signatory and sealed by the Contractor.

3. Originals of all documents required to make a new Competency Licence Application must be presented at the Licensing Committee interview.

4. Specific experience in PV Installations (provide brief details on each project):
   - List of projects within Abu Dhabi
   - List of projects within UAE
   - List of projects elsewhere

5. Contractor’s solar PV related experience
   - Total accumulated solar PV capacity installed to date
   - Number of years of active PV installation work and if relevant, any low voltage electrical work including (i.e. design, installation, maintenance and repair etc).

6. HSE Certification and Training
   - List of staff with HSEQ certification (e.g. ISO 14001, OH&SAA 18001, ISO 9001)”)

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   - List of projects within Abu Dhabi
   - List of projects within UAE
   - List of projects elsewhere

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7. Customer Service
   - Provide company website to which customers can reach in case of service requests.
   - Provide company contact centre and case tracking system for customer support in Abu Dhabi if available.
   - Provide details of the company’s project management system in place.

List of registered solar PV integrators*:

<table>
<thead>
<tr>
<th>#</th>
<th>System Integrator</th>
<th>Contact details</th>
<th>Contact</th>
<th>Email</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
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<td>3</td>
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*This list will be updated periodically from the distribution companies (ADDC and AADC)
Q1: When is the Effective Date of the Regulations?
A: The Regulations are effective from 1 Jan. 2017.

Q2: To Whom these Regulations apply?
A: These Regulations apply to all parties involved in the installation of Small-scale solar PV which includes the Distribution Companies (ADDC and AADC), owners, solar PV integrators, contractors and customers.

Q3: Who is enforcing these Regulations?
A: The Regulations are enforced by the Regulation & Supervision Bureau in the Emirate of Abu Dhabi.

Q4: Are those Regulations only for the Emirate of Abu Dhabi?
A: The Regulations are effective from 1 Jan. 2017.

Q5: What is the definition of Small Scale Energy Netting Regulations? Concept of netting?
A: Generated electricity from the PV installation is expected to achieve grid parity within two years. While the cost of solar PV module is expected to continue to decline. At the scale of around 25 years. Moreover, the cost of solar PV integrators, contractors and customers.

Q6: How can a villa owner install a PV system, or what is the process for installing solar rooftop PV, and how long would it take?
A: Currently, there is a requirement for solar PV integrators, contractors and customers.

Q7: What is the typical payback period given the current tariffs for nationals and expats?
A: The payback varies based on a number of factors out of which is the scale of the installation. In addition, solar PV installations run for an expected life cycle of around 25 years. Moreover, the cost of solar PV modules is expected to continue to decline at the current electricity rates, a residential scale installation is expected to be achieved grid parity within two years. While commercial scale installations are either at grid parity or very close to grid parity.

Q8: Is there going to be a different tariff for solar rooftop PV generation?
A: No, Surplus electricity exported to the grid will form a very close to grid parity.

Q9: Are current tariffs going to increase to make solar PV installations more attractive?
A: The cost of solar PV modules and balance of system is declining which will always make installing solar PV more attractive.

Q10: How much a typical solar PV installation would cover from a typical villa? How much bill reduction is anticipated?
A: It depends on the installation size, efficiency of modules, maintenance and cleaning. In general, installations can cover up to 50% of villa consumption for typical villas. However, this percentage could increase even further if energy efficiency measures are implemented or if never more energy efficient villas are considered.

Q11: Is there any certification program for system designers and installers?
A: Currently, there is a requirement for solar PV integrators registration which is explained in the issued guidance document Annex B. A personal certification scheme is also being developed.

Q12: Would the customer bill show how much savings and generation would be on a monthly basis?
A: ADDC and AADC are required to develop such bills and the information required to be included in such bill includes saving and generation.

Q13: How much is dust a problem to the solar PV modules?
A: Dust may reduce efficiency of solar PV which is recommended to have periodic cleaning of solar PV modules.

Q14: Is there a requirement to be licensed by the Bureau for Solar PV generation for small scale?
A: The Bureau intends to monitor uptake. Currently, there is a requirement for solar PV designers and installers.

Q15: Is there a requirement to be licensed by the Bureau for Solar PV generation for small scale?
A: The Bureau will be monitoring the uptake. Currently, there is a requirement for solar PV designers and installers.

Q16: Is it recommended to have periodic cleaning of the PV installation?
A: Dust may reduce efficiency of solar PV which is recommended to have periodic cleaning of solar PV modules.

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حول تعليمات نظام القياس الصافي للألواح الشمسية الكهروضوئية صغيرة النطاق

كُتِب معلومات

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