What is net metering? Net metering is a type of contract that binds (i) a self-generating customer (ii) and its energy distributor. In this contract, the customer consumes its electricity in real time and surplus electricity is injected into the grid. For each injected kWh, the consumer gets compensation in the form of credit.

This study focuses on emerging countries through literature review and interviews

India
Credit value depends on State’s regulations.

South Africa
Credit value depends on Municipalities’ regulations.

Philippines
Credits value is equal to average supply cost of distribution company.

Kenya
Credit value is still under discussion (2015 Energy Bill).

Cabo Verde
Came into law in 2011 but no concrete achievement yet.

Ghana
Came into law but no concrete achievement yet, a pilot study is on going.

Benin
Net metering is not the core of current energy policy concerns.

Burkina-Faso
Is setting up a framework for feed-in-tariff.

The driving forces should be the ambition to increase (i) the share of renewable energy and (ii) the quality and resilience of the electrical service rather than reducing the cost of distribution.

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<tr>
<th>Feed-In-Tariff</th>
<th>Net Metering</th>
<th>Green Certificates</th>
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<tbody>
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<td>For each kWh injected, the customer is paid according to the current feed-in tariff, regardless of the electricity bill that he may have</td>
<td>On his monthly bill, the customer can deduct the value of the kWh injected the previous month</td>
<td>The customer can sell the green certificates he acquires when he injects renewable energy into the grid</td>
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Results

1. In-depth analyses are necessary to setting up appropriate compensation schemes (i.e. the value of one credit) otherwise distribution companies fear revenue losses.

2. A strong political will and user-friendly procedures are necessary to turn the law into concrete achievements.

3. Net metering development in emerging countries can be split into two phases: First phase where industrial and commercial users with investment capacities are addressed and a standard product and procedure developed; second phase where net metering becomes interesting to every type of user.