

SHAMA-Note 1

Jan 2018

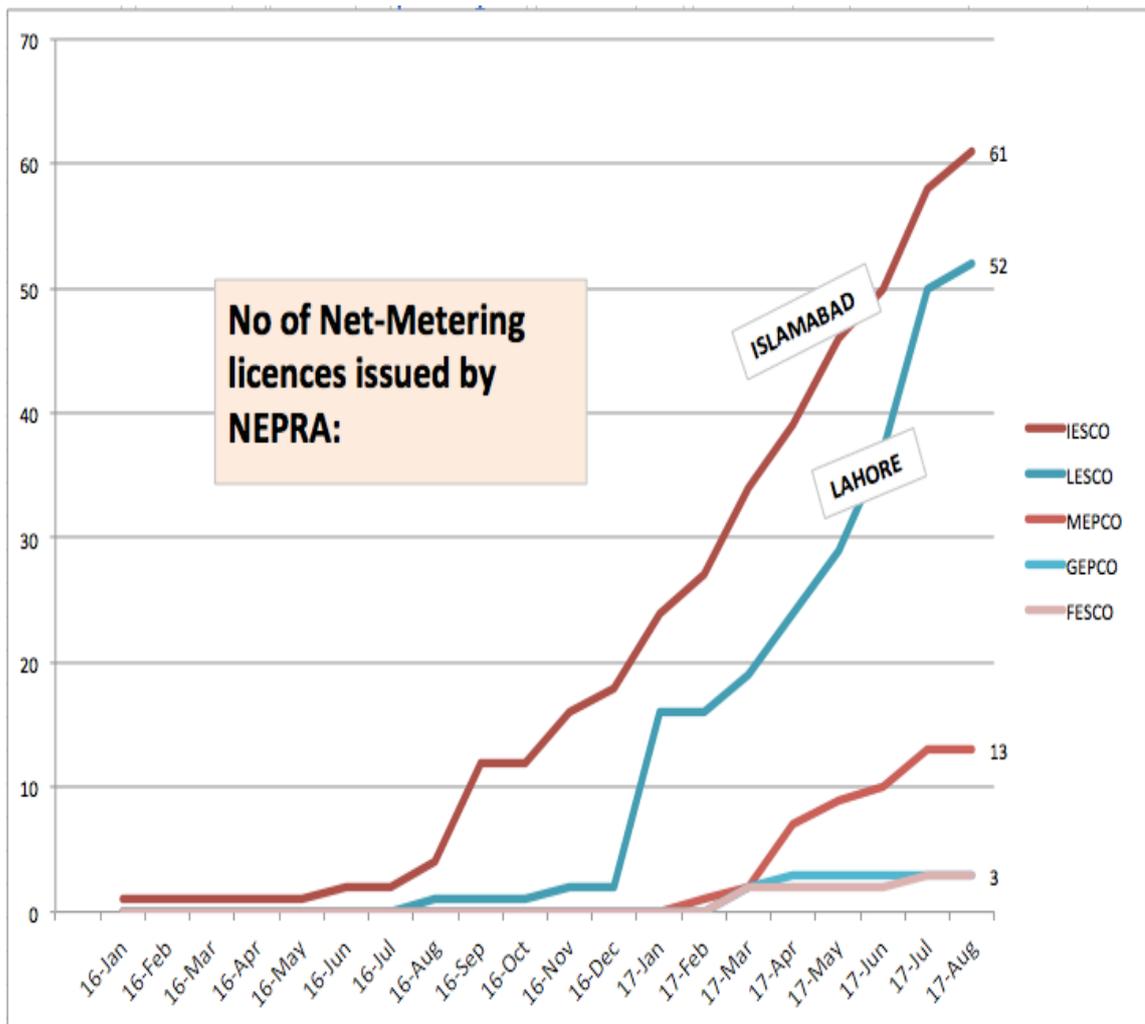
Net-Metering of solar energy in Pakistan:

Overview:

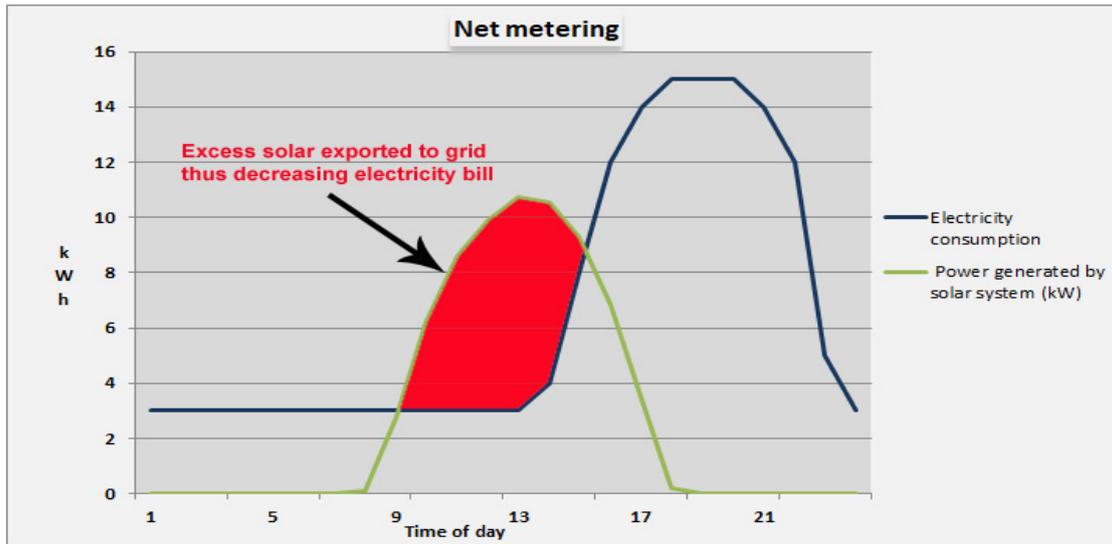
Net-Metering of electricity consumption and the associated bill became possible in Pakistan for commercial and domestic consumers after the National Electric Power Regulatory Authority (NEPRA) passed a “Net-Metering Regulation” in September 2017.

Within two years after this new regulation came into place, over 100 net-metering licenses have been issued, and the demand for solar installation received a boost. The first such license was issued to the Parliament House of Pakistan for a 1-megawatt solar installation at the premises¹.

The graph below shows the trend of net-metering licenses issued, based upon data from the NEPRA website:

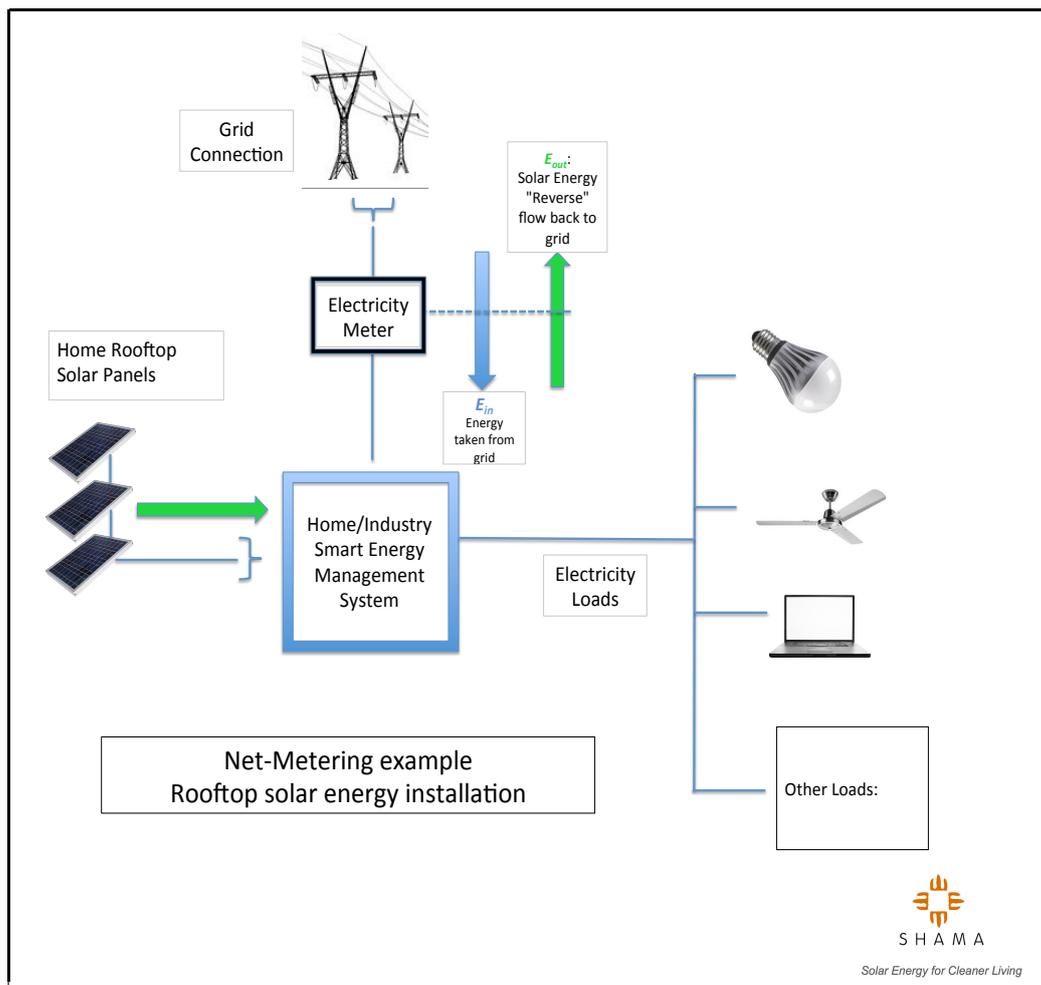


¹ Parliament House Net-Metering case study: www.himaverte.com/downloads



As demonstrated in the diagram above, electricity produced by the solar installation, especially during the middle of the day continues to be utilized by being fed back into the grid, which would be net-off from their electricity bill.

A net-metering arrangement is shown in the diagram below:

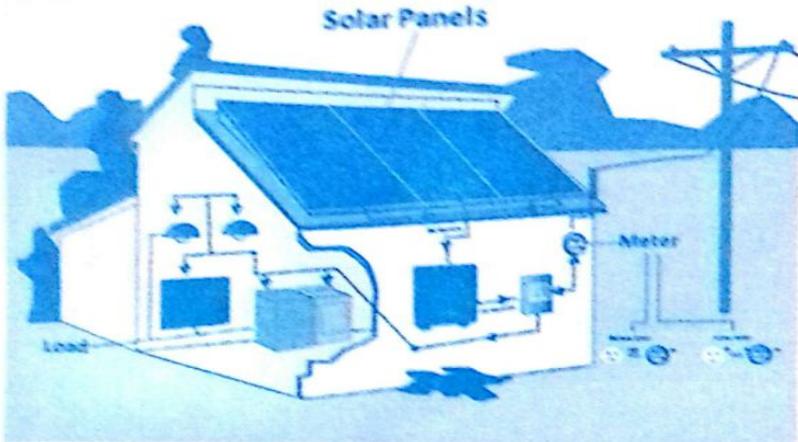


The Lahore Electric Supply Company, LESCO is conducting a marketing campaign to promote net-metering amongst its consumers. Some steps they are taking are

sending LESCO marketing personnel to homes where solar panels are visible, and printing the offer of net-metering on their utility bill, an image of which is shown below:

ELECTRICITY
YOU GENERATE WE PURCHASE

Sun Light



Solar Rooftop Net Metering System
Under Nepra Regulation 2015 (1 KW - 1 MW)

- Non consumed electricity gets automatically exported to the National Grid
- Consumers get credit for exported electricity, recorded via bi-directional energy meters
- Promotion of friendly environment
- Lessening burden on national grid
- Reducing grid investment
- Community participation in power generation

For further details please visit
<http://www.lesco.gov.pk/registration/netmetering.asp>

 **LAHORE ELECTRIC SUPPLY COMPANY**

Supporting documents for the trainers being provided:

1. Pages 21-22 of the RAFTAAR July 2016 report "Energy Saving in Pakistan"
2. Net-Metering Regulation, Sep 2015 NEPRA