

# ASIA CLEAN ENERGY FORUM 2018

HARNESSING INNOVATION TO POWER THE FUTURE

Manila, Philippines • 4-8 June 2018



## Developing Sustainable Mini-Grids

5 June 2018 (Tuesday), 9:00 a.m. – 5:30 p.m.

### Background

The utilization of renewable energy mini-grids is one of the pathways available to attain electricity access especially in off-grid and remote areas. Mini-grids have its advantage because of its ability to provide electricity not only for households use but for productive and commercial activities as well. These technologies can be effectively deployed in rural and remote areas without investing in expensive infrastructure for electricity transmission, making them quick to implement and cost-effective. Because of these factors, several initiatives have been undertaken in the development and promotion of mini-grids.

The session will also look into the different aspects of mini-grid development such as policy regulation, private sector participation and technical discussions pertaining to renewable energy grid integration. Presentations will showcase actual experiences in the fields by various practitioners such as IPPs, distribution utilities, government officials and private sector companies. The speakers will provide insights on the challenges and barriers in developing renewable energy mini-grid to serve as inputs for further development of mini-grids in ADB's developing member countries. The workshop will also invite min/micro-grid experts from various universities around the region to share their research work, experiences and pilot projects on the mini-grid space.

### Objective of the Workshop

This workshop aims to bring various players on renewable energy min-grids to share experiences, best practices and insights relating to technical, policy, and regulatory aspects, among others.

### Agenda (Detailed agenda to follow)

9:00 – 9:10	<b>Opening</b> <ul style="list-style-type: none"><li>• Welcome Remarks – Oly Norojono, Director, Transport, Energy and Natural Resources Division (PATE), Pacific Department, ADB (TBC)</li></ul>
9:10 – 10:30	<b>Session 1: Policy and regulatory framework in developing renewable energy mini-grids</b> <ul style="list-style-type: none"><li>• Fiji's experience on our Rural Electrification Programme, Mikaele Belena, Senior Energy Analyst, Fiji Department of Energy</li></ul>

	<ul style="list-style-type: none"> <li>• Learnings in Last Mile Electrification from the Philippines, Ian Driscall, Principal &amp; Director, Morvah Consultants, Inc.</li> <li>• Experience from developed country, Leon Roose, Specialist, University of Hawaii Manoa</li> </ul> <p><b>Moderator: Hasmukh Patel, Chief Executive Officer, Energy Fiji Limited</b></p>
	<ul style="list-style-type: none"> <li>• The promise of storage: How mini-grids can leverage transition in storage technology and cost, Dr. Chris Blanksby &amp; James Mason, Entura</li> <li>• Smart Peer-to-Peer Solar, Sebastian Groh, Managing Director, MESolshare</li> <li>• Successful Micro-grid Deployment: Takeaways from Electro Power Systems S.A. (EPS) Experience in Powering a Town in Somalia and Two Resorts in the Maldives, Kotryna Kanapyte, Business Development Manager, EPS</li> </ul>
2:00 – 3:30	<p><b>Session 3: Private sector participation on mini-grid development</b></p> <ul style="list-style-type: none"> <li>• Matt Basinger, Electric Vine Industries</li> <li>• Creating village electricity utilities by using private sector practices to create public purpose entities, Jeffrey Dickinson, Renewable Energy Lead, CDM Smith</li> <li>• Khotang/Okhaldunga Micro-Grid Project in Nepal (TBC)</li> <li>• Palawan rural micro-grid, Atem S. Ramsundersingh, CEO/Member of the Board of Directors, WEnergy Global</li> </ul> <p><b>Moderator: Sagar Gubbi, Consultant, ADB Energy for All Initiative</b></p>
4:00 – 5:20	<p><b>Session 4: Platform/network of universities to expand research/pilot of mini-grids in universities</b></p> <ul style="list-style-type: none"> <li>• Shanghai Electric Power University Experience: Dr. Qunzhi Zhu, Professor, College of Energy and Mechanical Engineering, Shanghai Electric Power University</li> <li>• University of Moratuwa's Experience: Dr Narendra de Silva, Head of Engineering, Lanka Electricity Company, Sri Lanka</li> <li>• Seoul National University Experience: Mini-/Micro-Grid Solutions, YS Baeg, Team Leader, LG Electronics, Republic of Korea</li> <li>• Nanyang Technological University (TBC)</li> </ul> <p><b>Moderator: Susumu Yoneoka, Energy Specialist (Smart Grids), ADB</b></p>
5:20 – 5:30	<p>Wrap up Closing Remarks</p>

## About the Organizers

ADB – Sustainable Development and Climate Change Department  
ADB - Pacific Department

## For any questions, please contact:

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