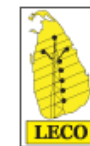




Success Story of Solar Rooftop Admission Development in Sri Lanka

Tharindu De Silva
Electrical Engineer, System Development Department



LECO
Lanka Electricity Company (Pvt) Ltd

ASIA CLEAN ENERGY FORUM 2018
HARNESSING INNOVATION TO POWER THE FUTURE

Manila, Philippines • 4-8 June 2018



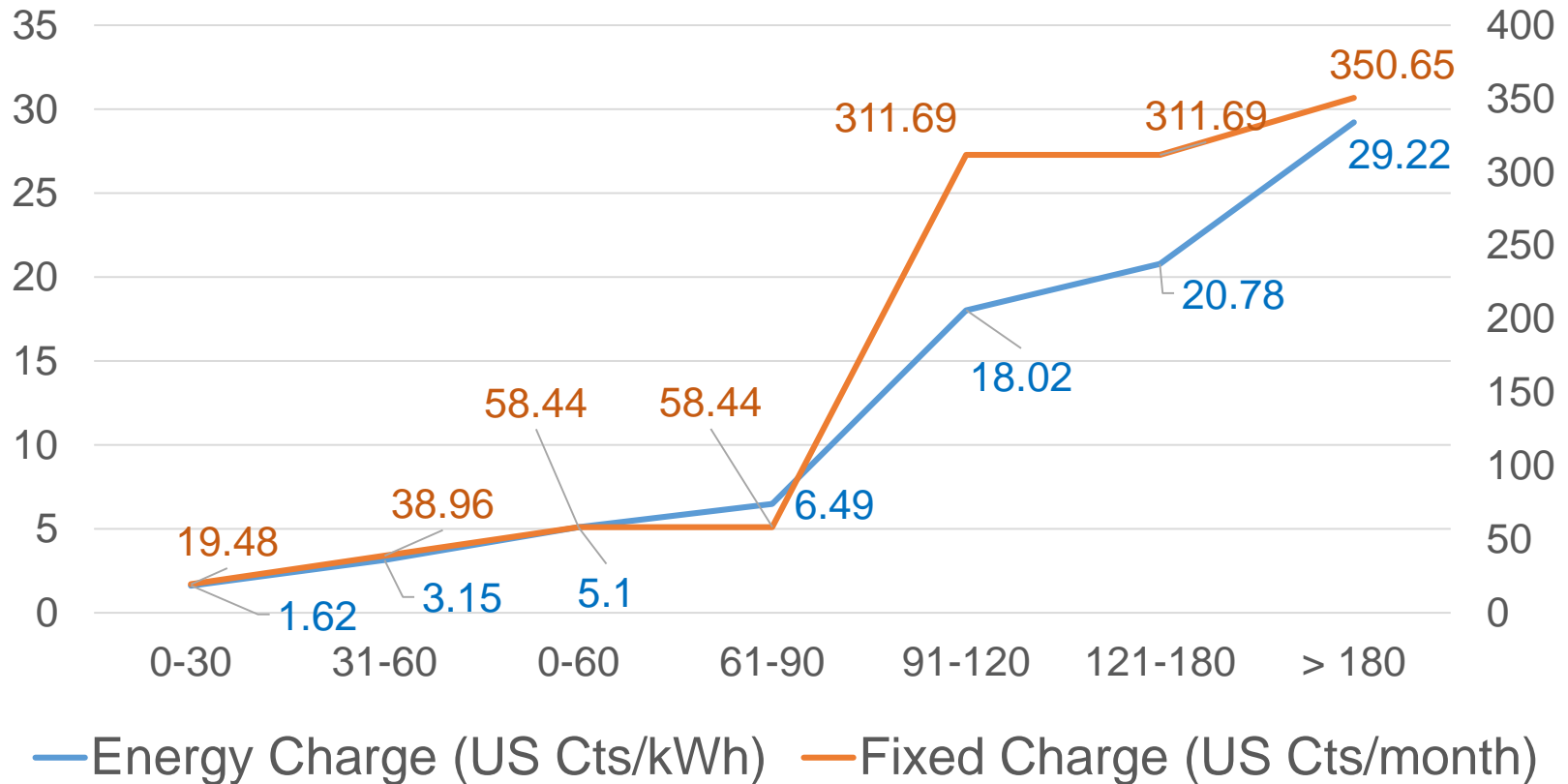
Traditional Distribution Network Operators (DNOs)

- Traditional infrastructure mindset – poor public acceptance
- Society is preparing for the fourth industrial revolution but utilities?
- Unfulfilled societal demands in the term of power quality, reliability, aesthetics etc.
- Unreasonable electricity tariffs
- Looks as a savage in the town center



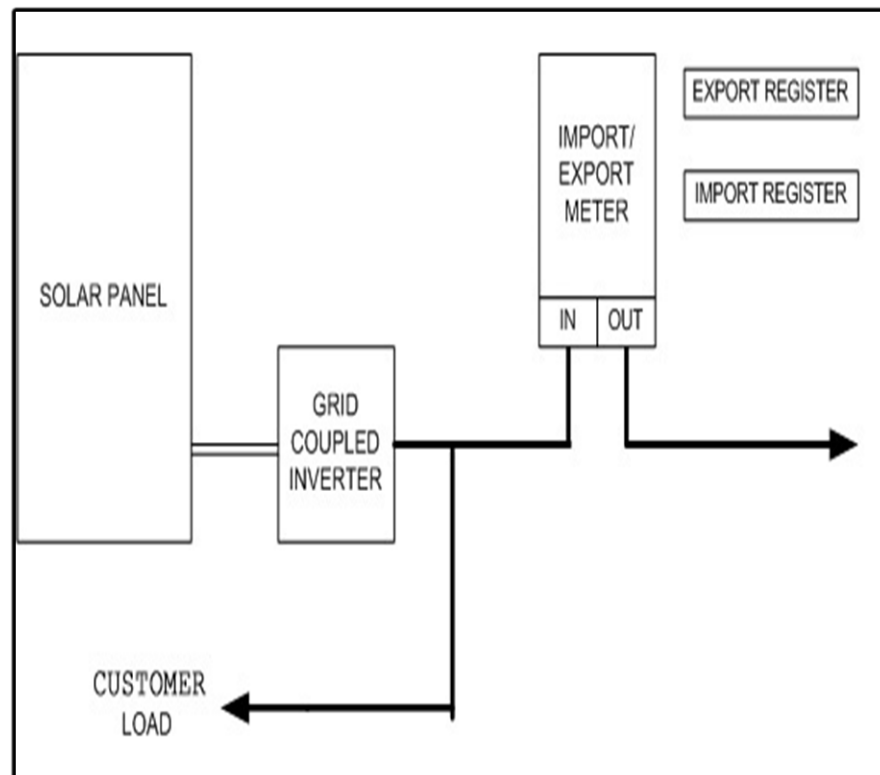
Traditional Distribution Network Operators cont.

Domestic Tariff



Net Metering Program – 2009 to 2016

DNO	Progress as of 09-2016	
	No of Consumers	Capacity (KW)
CEB	4,667	29,057
LECO	1,766	7,824
Total	6,433	36,881



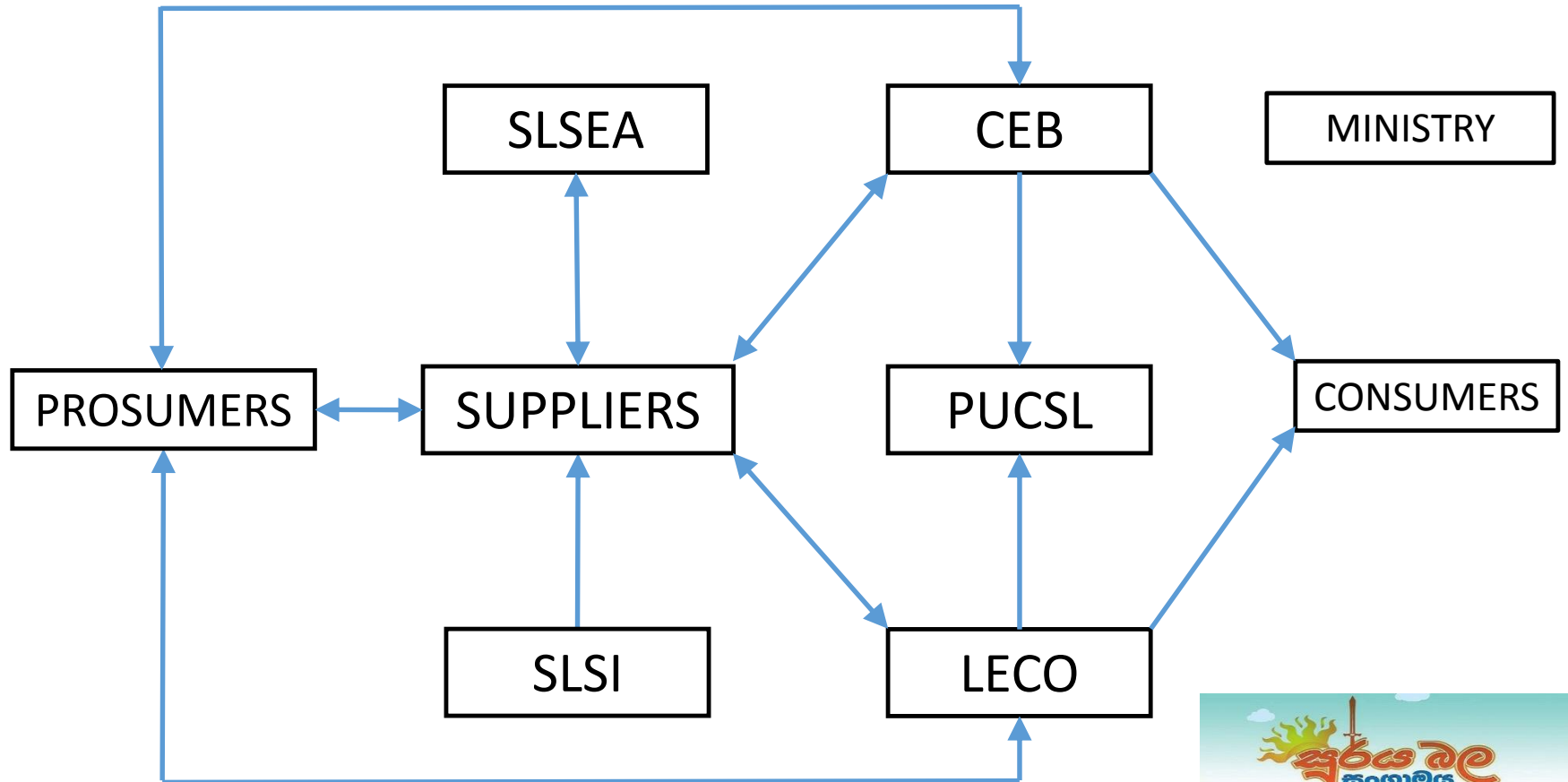
Battle for Solar - late 2016



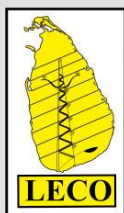
- Ambitious target of 1000MW by 2025
- 1,000,000 Solar Rooftops
- Two new schemes – Net Account and Net Plus
- Pay 14 US Cts/kWh for 7 years and 10 Cts/kWh for rest
- Development of new consumer groups and interested parties
- Impact to the tariff is yet to study



Battle for Solar - Stakeholder Map



Battle for Solar - LECO Loan Scheme



SOLAR LOAN SCHEMES FOR LECO CONSUMERS

Up to \$ 9,500.00 loan amount
Can pay through LECO bill



\$ 6.2 million

1,196 nos of Applications
873 nos of Loans Granted




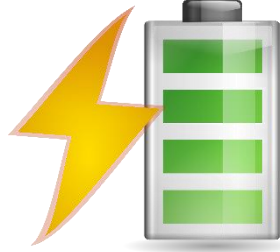


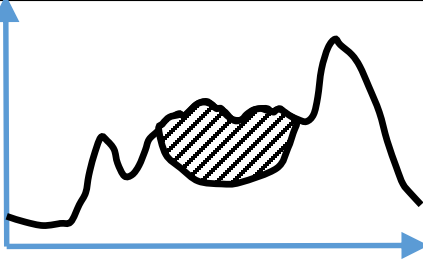
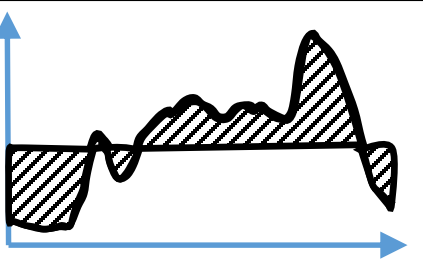
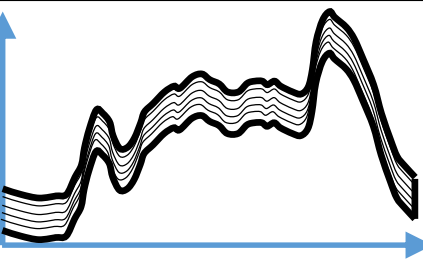
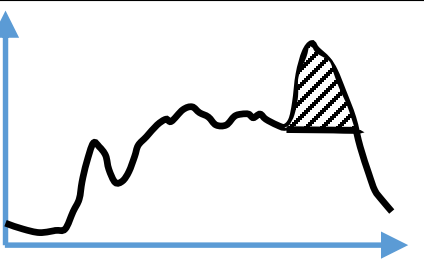
Battle for Solar (B4S) - Progress

DNO	Progress after B4S as of 04/2017	
	No of Consumers	Capacity (KW)
CEB	6,246	52,112
LECO	2,544	20,641
Total	8,790	72,753

DNO	Total Roof top Solar Installation	
	No of Consumers	Capacity (KW)
CEB	10,913	81,169
LECO	4,310	28,465
Total	15,223	109,635



LECO's way forward towards DNO to DSO

Distributed Generation	Distributed Storage	Demand Reduction	Demand Response
			
			

Clipart image courtesy - Wikipedia



Thank You..!!

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Back up - Hosting Capacity Analysis

