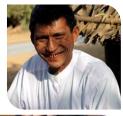


# Energy for Prosperity: Ahlin Yaung (Light) Fund

Transforming rural Myanmar through increased access to clean and reliable energy











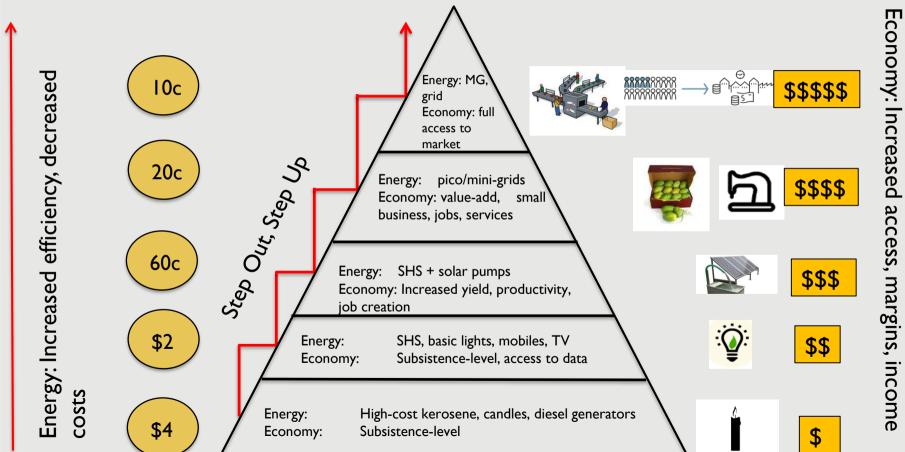


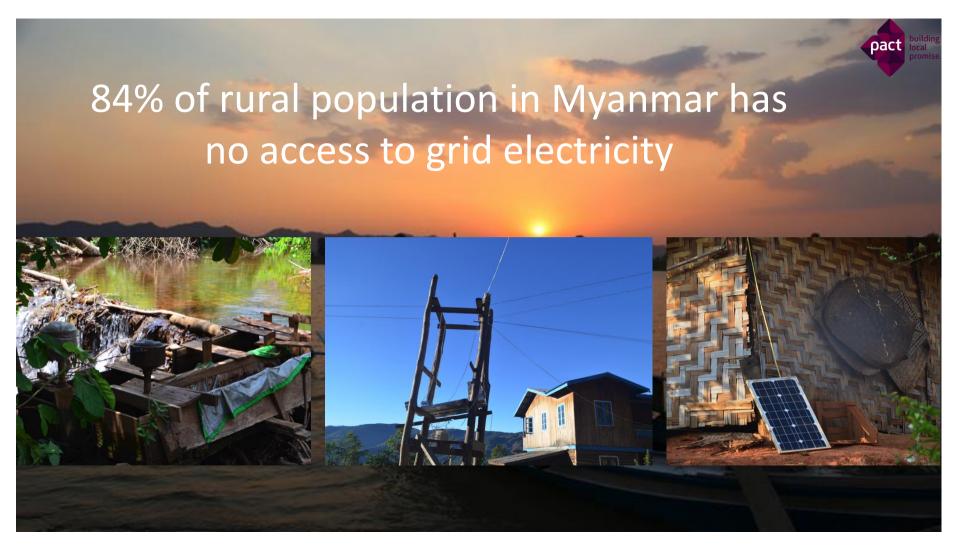


Leveraging Finance to Deliver Energy Access for the Last Mile, ACEF 2017 June 7<sup>th</sup>, Manila, Philippines



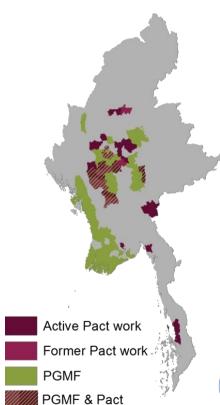
**Energy for Prosperity** 





### Pact's Presence in Myanmar





Largest integrated development iNGO in Myanmar

#### 2 distinct functions:

- National microfinance with net assets of \$200 million
- Integrated development program

Impacts: > 7.8 million Myanmar citizens from 15 000 villages across 10 states and regions











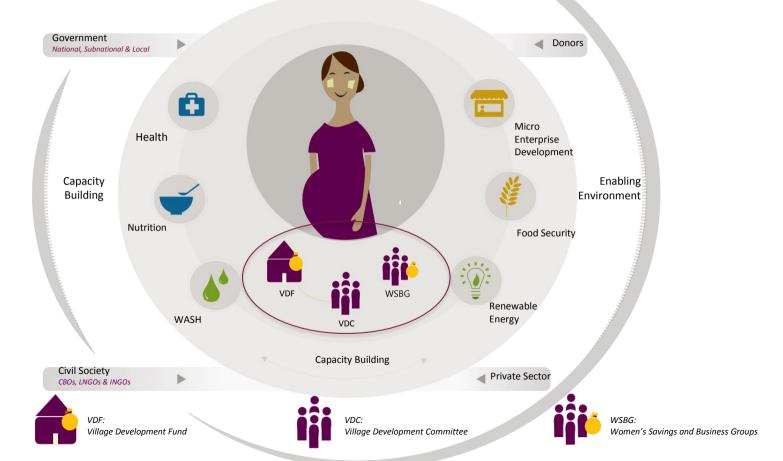


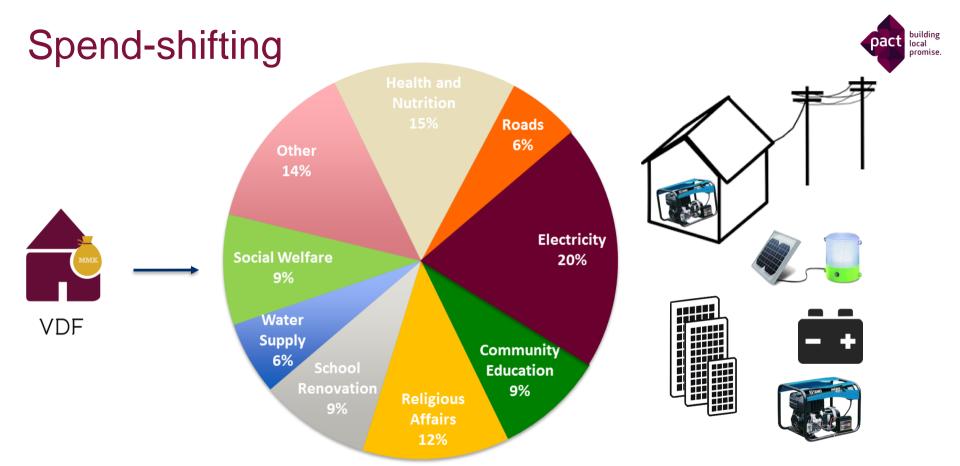




### Integrated Development Ecosystem



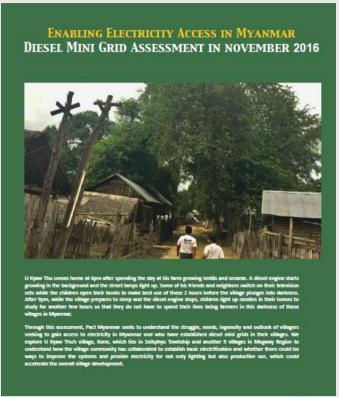




20% of VDF loans is used for electrification

### Understanding the Problem





Cost of rural electricity: 1 hour = 24 hours in Yangon, the commercial capital



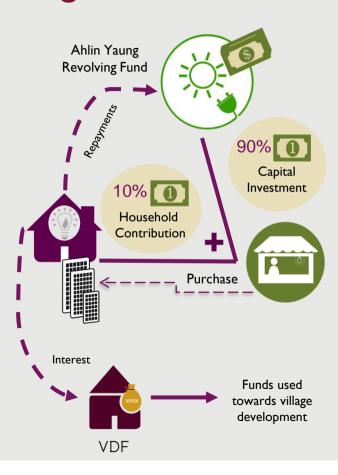


Biggest obstacle: limited access to finance for lowincome households to purchase sustainable solutions





### Ahlin Yaung - Integrated Social Investments Vehicle



### Access to Energy Program in Numbers

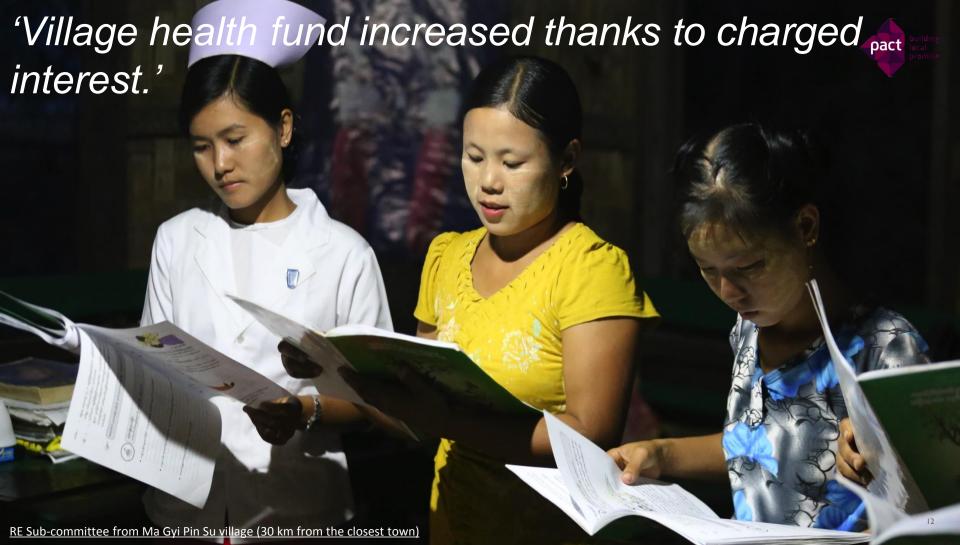




 Over 360 villages in 4 regions in Central & Southern Myanmar



'We can now extend our business working hours and get extra money by making handicrafts at night with the help of solar energy.' Tun Aung Kyaw from Oke Pho village, 12 km from the closest town









### Main Challenges -> Solutions?



- End-user financing gap -> transform & scale Pact's access to finance funds
- Excessive subsidization & distribution of lower quality products -> advocacy for market-based approach and coordination with the government
- Missing regulatory environment in off-grid electrification ->
  broader support to accelerate the policy design and the
  capacity of the policy makers
- Limited capacity of SHS for higher-demand activities -> other decentralised technologies (mini-grids) in specific locations
- Insufficient focus on demand-side activities in national/donor strategies -> Diversify Donor/Government grants & funding to allow experimentation



### Transformation Potential of Ahlin Yaung Fund



2017 - 2021

**Grow & transform AY Fund** to continue & expand demand-side financing of energy access to increase prosperity (i.e. through RE mini-grid connections, fostering productive use of electricity)

#### Mid-2017

**Expanded mandate** of the fund - Loans to HHs for connections to existing grid

### January 2017



Women groups manage communitylevel RE activities



#### 2015

Loans for **Solar Home Systems** in Central, later expanded to Southern Myanmar

Capacity building for O&M&Repair,
Financial Management, RE Committees,
Loan Collection

#### November 2016

1st reinvestment -> Expansion to 4 new townships in Central Myanmar

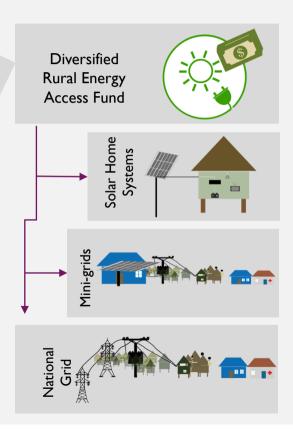
### Ahlin Yaung Financing Model

**FINANCING** 



Bilateral donors, private and corporate funders

#### PACT FACILITATION



#### **IMPACT & INFLUENCE**



Government engagement & advocacy



Research & Evidence Generation



ROI, Community Income, Social Benefits & Sustainable Environment Comments, remarks, cooperation ideas?



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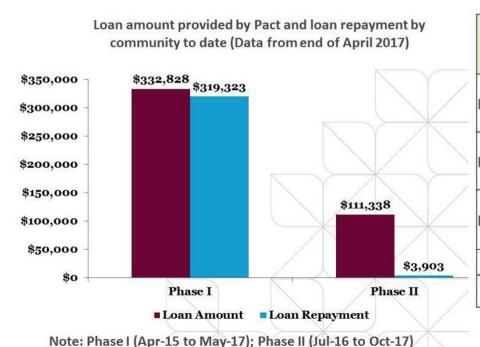


## Attachment: Capacity & Price of SHS Packages

|           | Basic 1           | Basic 2          | Medium 1         | Medium 2              | High End 2            | High End 1                |
|-----------|-------------------|------------------|------------------|-----------------------|-----------------------|---------------------------|
| Technical | 1 bulb x 6 h/day  | 2 bulbs x 6h/day | 3 bulbs x 6h/day | 4 bulbs x 6h/day      | 1 lamp + 2 bulbs x    | 1 lamp + 2 bulbs x 6h/day |
| Specs     |                   |                  |                  | Portable DVD player x | 6h/day                | 24 inches LCD TV x 2h/day |
|           | 3.3 W solar panel | 20 W Solar Panel | 6 W Solar Panel  | 2 h/day               | 24 inches LCD TV x    |                           |
|           | 3 Ah battery      | 7 Ah Battery     | 6 Ah Battery     |                       | 2h/day                | 130 W Solar Panel         |
|           |                   |                  |                  | 30 W Solar Panel      |                       | 65 Ah Battery             |
|           |                   |                  |                  | 12 Ah Battery         | 80 W Solar Panel      | 300 W Inverter            |
|           |                   |                  |                  |                       | 65 Ah Battery         |                           |
| Total     | 40,000 Kyat       | 55,080 Kyat      | 68,000 Kyat      | 98,000 Kyat           | 194,000 – 198,000Kyat | 287,500 – 299,000Kyat     |
| Price     |                   |                  |                  |                       |                       |                           |
| Pact      | 10,000 Kyat       | 10,000 Kyat      | 10,000 Kyat      | 10,000 Kyat           | 10,000 Kyat           | 10,000 Kyat               |
| Grant     |                   |                  |                  |                       |                       |                           |
| Prepaid   | 3,000 Kyat        | 4,508 Kyat       | 5,800 Kyat       | 8,800 Kyat            | 18,400 – 18,800 Kyat  | 27,750 – 28,900 Kyat      |
|           |                   |                  |                  |                       |                       |                           |

### Attachment: Loan Repayments

- Zero % delinquency in loan repayment collection
- No missed payments under monthly/quarterly repayment schedules



| Ahlin Yaung to date                  | Grant<br>provided by<br>Pact | No. of SHS<br>distributed |
|--------------------------------------|------------------------------|---------------------------|
| For community place                  | \$20,340                     | 500                       |
| For subsidised package households    | \$3,865                      | 95                        |
| For basic, medium and high end users | \$135,122                    | 379<br>6126<br>1616       |
| Total                                | \$159,327                    | 8716                      |

Data from April 2017