



# PAYG Solar for Vulnerable Areas of Urban Metro Manila

ACEF 2018



- Population of 12+ million
- 4+ million in dense areas of extreme poverty
- Most living on less than \$1.90 US per day





## Vulnerable Urban Areas

- No access/unreliable access
- Unsafe/illegal connections
- Unable to afford payments
- Brownouts



- 20php/day (<\$0.40US)
- Battery
- 3 x 100 lumen lights
- Mobile phone charging
- 24 hours of light
- Activated via Angaza
- Hotline











- Increased safety with light in areas where there are no streetlights
- Shopfront light for sari-saris
- Evening work for small entrepreneurs



- Children able to do homework after dark
- Reduction of indoor air pollution
- Reduced risk of fires due to candles and kerosene lights





## After One Year:

- Operating in 7 barangays
- 370+ customers
- 30+ owners
- 75% of customers are women
- Partnerships with NGOs working in the same areas providing health, education, financial services, etc.



- Transient population
- Mobile signal
- Offline application development
- Mobile payment potential
- Co-existence with local utility in some areas





Thank you