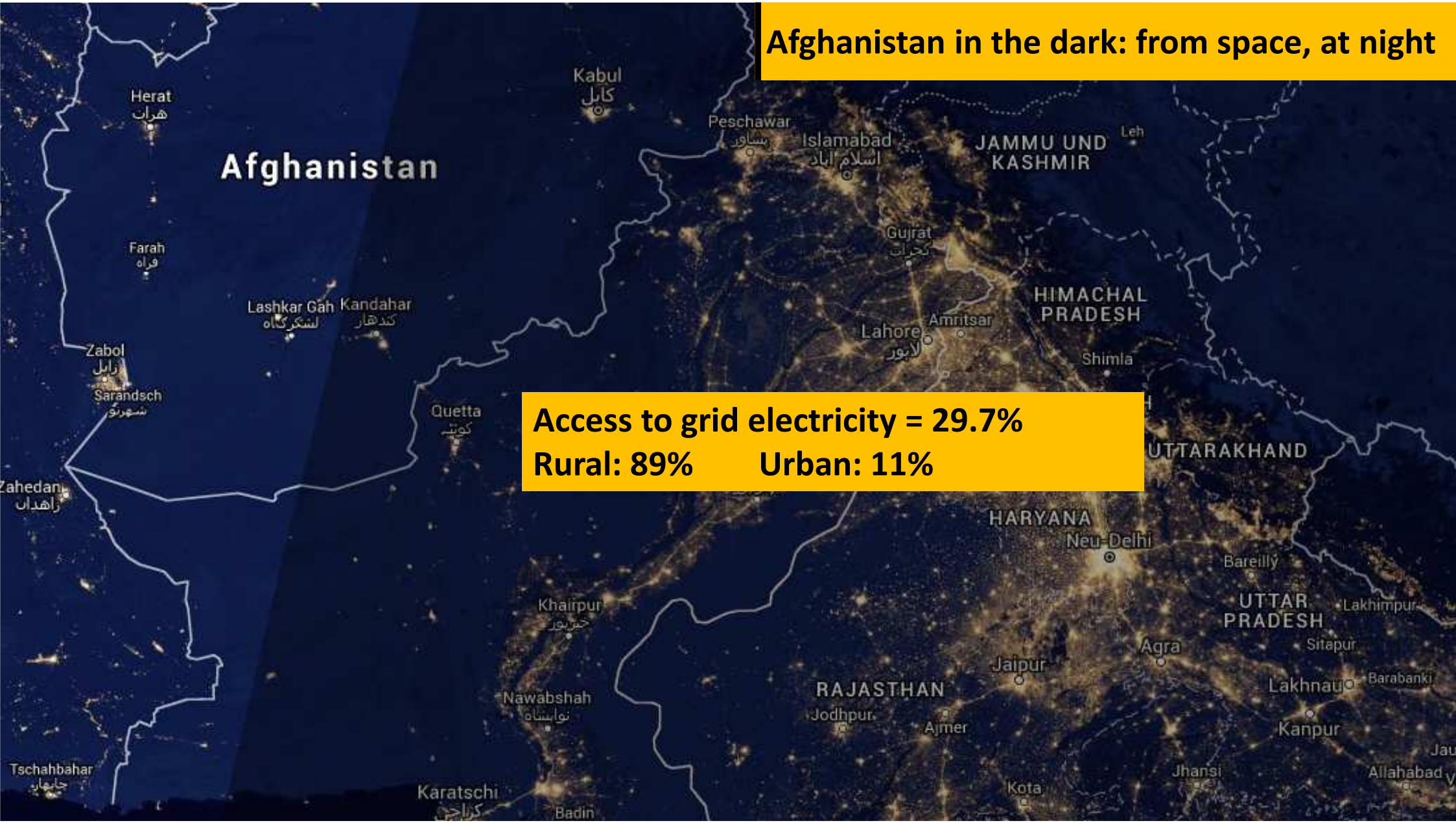


# **LIGHTING AFGHANISTAN:** **Access to World Bank Financing for Renewables**

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Intersolar Middle East, 26 September 2017

**Afghanistan in the dark: from space, at night**



**Access to grid electricity = 29.7%**  
**Rural: 89%      Urban: 11%**

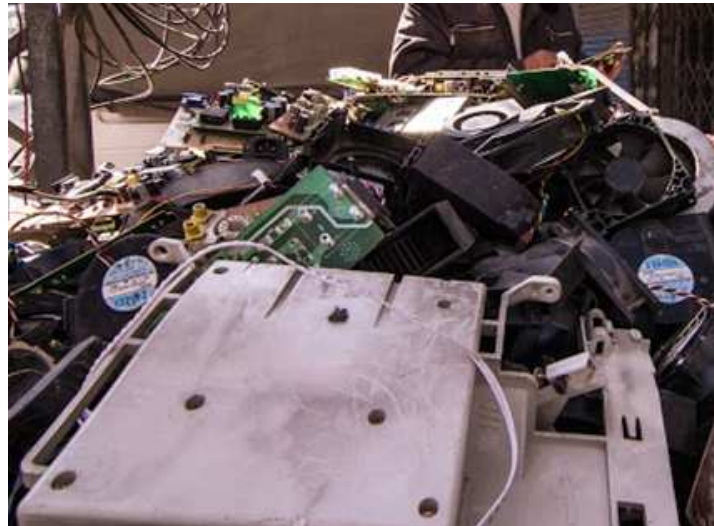


22m energy poor people in Afghanistan





## Large spending on low quality lighting options



### Addressing the current the current lighting practices requires:

- Government commitment
- Understanding the market (potential and challenges)
- Transparent regulatory environment
- Having quality standards in place
- Flexible and predictable financing options
- Lighting options that meet different consumers needs

## Design your offering for the whole market

### IBRD and IDA

- Loans, grants, or guarantees to governments for on-lending to:
  - Utilities
  - Private companies
  - Coops & NGOs
- Government guarantees required
- Technical assistance
- Policy initiatives often involved

### International Finance Corporation (IFC)

- Loans, grants and quasi equity to private sector entities.
- Lighting Global – Lighting Afghanistan programs.

### Dedicated Trust funds

- Global Environment Facility (GEF)
- Climate Investments Funds (CIF)

## World Bank Energy Engagement in Afghanistan (about US\$500 mn committed, below renewables only)

### Power Generation

**Naglu Hydropower Rehabilitation (100MW, US\$ 83M) – this year**  
Restructuring to also include 10 MW Darunta Hydropower Plant Rehabilitation.

### T&D

**Herat Electrification Project (US\$ 60 M) –**  
Includes solar mini-grid component for offgrid areas in Herat Province, Afghanistan.

### Technical Assistance

Afghanistan Energy Study (US\$ 2M) – ongoing till end FY 18.

Renewable Energy Study (US\$ 200K) – part of wider Country Economist team effort on avenues for growth.

## We aim to change that!

- **Lighting Afghanistan:** A project by the International Finance Corporation (IFC)
- **IFC: Member of the World Bank Group**
- **USD 133m** investments in Afghanistan
- Major focus on infrastructure, finance, manufacturing and services & **energy sector**



## Lighting Afghanistan Goal







**250k Afghans**

to have access to modern energy  
for lighting and associated services





# Design your offering for the whole market

	Pico Solar Lighting Systems (PSLS)			Solar Home Systems (SHS)		
	Solar Task Light	Basic PSLS	Multifunctional PSLS	Basic SHS	Advanced SHS	Pay-as-you-go
Products						
Definition	A low-lumens light, designed for specific purposes (such as reading or as a flashlight)	A low-lumens, multipurpose lanterns with value-added features (such as mobile charging)	A higher-lumens, multifunctional, portable light with Value-added features	A low-wattage system (<10w) with one or more detachable lights and some or no value-added features	A higher wattage system (>10w) with multiple detachable lights and value-added features.	Provides affordable power paid solar home systems using Payg technology
Pricing						
Pay Back*	2 month	3 months	4 months	12 month	20-25 months	Rental/Lease

A man with dark, curly hair and a beard is shown in profile, looking towards the left. He is holding a small, glowing white object in his right hand. The background is dark, with some blurred lights in the distance, suggesting an outdoor night setting. The overall mood is contemplative and hopeful.

May the future be **bright!**