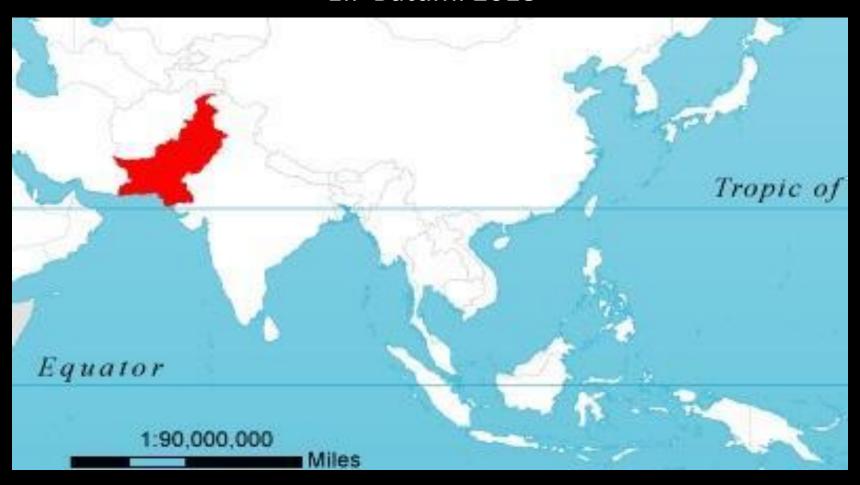
EcoEnergy:
Successfully Implementing Distributed Solar in Pakistan
EIF Batumi 2018



Shazia Khan /// CEO and coFounder of EcoEnergy

Pakistan: Country Overview



Pakistan: Energy Picture

70 million off-grid

71 million under-electrified

1.2 million businesses off-grid

No significant government grid expansion plan

\$2.2b/year spent on energy Alternatives (ex: diesel, kerosene



EcoEnergy is a utility company operating in under-electrified areas, which installs distributed solar energy solutions, using Paygo technology.

BBOXX Solar Home System with Pay Go Tech Inventory and Billing Management Platform



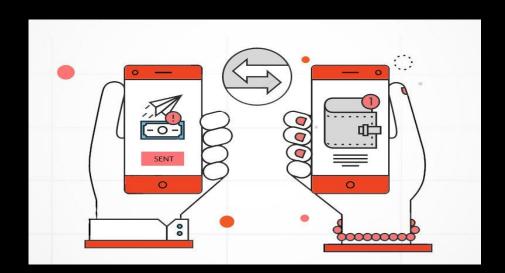
ECOENERGY

Customer related IT Infrastructure
Sales
Customer Service
Financing

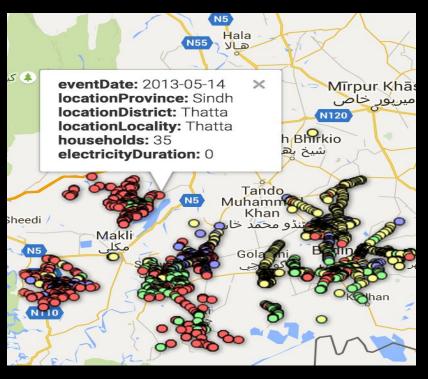


Technology

- EcoEnergy mapping tool (stores and analyzes data on purchasing power and energy access)
- EcoEnergy credit scoring app and tech platform (uses a combination of manual and automated credit scoring capacity for those without a credit score)
- Pay as you go solar home system (GSM chip enabled) ex: BBOXX Hub
- Customized integrated platform which handles things such as billing and inventory management ex: BBOXX Pulse platform
- Mobile money agent network ex: EasyPaisa, Mobicash, Mpesa
- EcoEnergy app for customer smartphone which directly accepts payment







Regulatory



GENERAL SALES TAX IMPORT DUTY

INCONSISTENCY BETWEEN CUSTOMS RULES MAKES IT DIFFICULT TO PLAN

Partnerships with valuable advocates provides entrance to stakeholder meetings with Pakistani government officials



Recommendations to enable Replication across CAREC

- Government Policy should prioritize electrification of rural communities that are under-electrified and off-grid, they are being under-utilized and have limited ability to contribute to the national economy without basic infrastructure like electricity
- Distributed solar is a cheap and quick way to supplement the conventional grid, it can also be integrated with microgrids
- Support private sector utility companies who are willing to serve under-electrified areas and who have an on the ground presence in your country and hire locally
- DFIs can provide support for capacity building ex: IFC Lighting Pakistan Program, KFW building working capital
 facility for paygo companies like EcoEnergy
- Consistent regulatory framework that makes it easy for a private company to anticipate costs and plan
- MFIs who want access to customers outside formal financial sector can partner with paygo companies which
 give customers a reason to open mobile money accounts and have much further reach than MFIs typically