

# LIGHT AT HOME

#### ACCESS TO SUSTAINABLE ENERGY IN RURAL COMMUNITIES

INVOLVED ACCIONA MICROENERGÍA PERÚ (AMP) | ACCIONA MICROENERGÍA FOUNDATION | LOCAL AND NATIONAL PUBLIC ACTORS ADMINISTRATION | MICRO-BUSINESSES | PHOTOVOLTAIC ELECTRIFICATION COMMITTEES (CEF) | RURAL COMMUNITIES



1,507,486 PEOPLE

52.5% POVERTY RATE

21.3% EXTREME POVERTY RATE

**30%** of rural households still WITHOUT ELECTRICITY

**36%** in the number of rural households with access to energy (2001 - 2011)



### **COMMUNITY ENGAGEMENT**

The community development process of AMP's program begins by identifying rural communities currently excluded from the electrical grid in order to prepare their participation in the program

Participation from the community is promoted through CEFs, responsible for coordinating all the different actors and the final users

> 85 CEFs HAVE BEEN CREATED SO FAR

AGREEMENTS SIGNED WITH MUNICIPALITIES



## **SUSTAINABILITY**



▶ The Ministry of Energy and Mines has certified the DPS as an alternative for energy service in rural areas



▶ The default rate in 2012 was 0.19%, decreasing from 3.03% in 2011



- ▶ The price structure is based on a cross-subsidy that allows families with consumption levels below 100kWh/ month to earn a discount financed by those families who have a higher
- ▶ In 2014 AMP will reach operational



### **EXTENSION OF THE MODEL**

- ▶ The government has launched a program that will install half a million throughout the country
- ▶ AMP has played a key role in developing Peruvian legislation and regulation for isolated electrical systems
- Acciona Microenergía Foundation has an energy program that will install 10,000 DPSs in the region of Oaxaca, Mexico





## **QUALITY SERVICE**

The DPSs installed include 80 Wp solar panels and provide 3 low consumption lights and energy outlets for at least 4 hours a day

**30** TECHNICIANS PROVIDING TECHNICAL **ASSISTANCE TO 75 COMMUNITIES** 



Users are trained on proper use of the DPSs, CEFs are taught basic system supervision and payment management and local technicians are trained in system installation and maintenance



#### **BUSINESS MODEL**

Families pay a monthly fee for available energy, maintenance and equipment replacement for 20 years

For each DPS installed, the government's Electrical Social Compensation Fund provides a price subsidy to AMP, who will offer consumers a final price adjusted to their level of income

3,000 DPSs IN USE

2,600 DIRECT BENEFICIARIES

**39**%





INCREASE IN ACCESS TO







