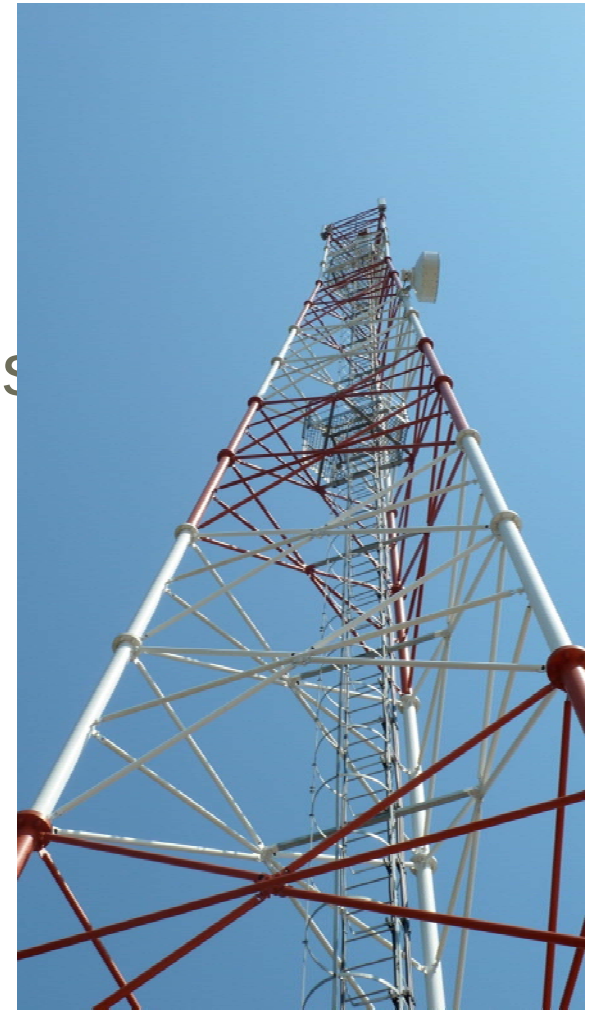
Community Power

Creating Sustainable Societies



Mamle Asare
Sustainability Manager
Vodafone Ghana

November 2012

There is low access to electricity in some of Vodafone's operating companies…

Vodafone Operating Company	Population without access to modern electricity services (million)	Share of population
DR Congo	59	89%
Tanzania	38	86%
Kenya	33	84%
Other sub Saharan Africa	310	68%
India	289	25%
Worldwide	1,317	19%

In 2011 Vodafone became more aware of the potential benefits of Community Power…

For Vodafone

- Increasing traffic
- Improving site security
- Improving reputation
- Improving regulatory relations
- Improving local economy
- Reducing Opex

For customers

- Increasing reliable electricity
- Improving health care
- Improving education
- Increasing economic activity
- Increasing access to mobile
- Improving well being

…the potential was apparent and interest was growing…

“Nearly 1.6bn people in the world live without access to electricity….and Vodafone has the skills to tap into it. What if you turned every one of your planned base stations into a renewable power station?”

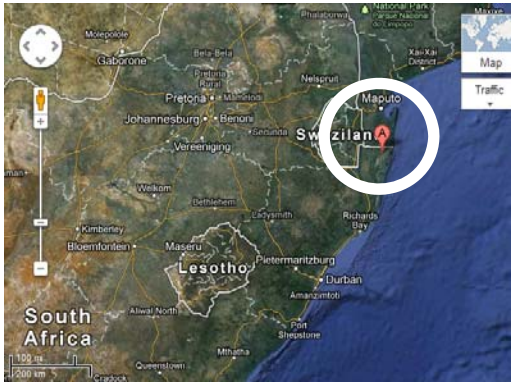


The Guardian June 2011

…site selected for Community Power pilot in Emfhilweni, Kwazulu Natal, South Africa…

Extensive community consultation to understand real need:

- Site survey and questionnaire
- Several consultation meetings with local government and village representatives and tribal leaders



Key findings:

- Village was 5km from nearest electricity grid, no grid extension was planned.
- Village had secondary school with electricity infrastructure but no power.
- No village water pump
- Villagers had to travel 5km to town to charge mobile

Pilot Site: Emfihlweni, Kwazulu Natal, South Africa

- Launched December 2011
- Vodacom converted the existing base station to 13.8kW solar power, with the diesel generator as back up
- In close consultation with community, Vodacom has directed excess energy to where it's really needed in a community that has never had grid electricity.
- Site provides excess electricity from the solar array to power the following:
  - Water pump at the high school (now also supplies community)
  - Power for classrooms at high school (plus Vodacom Foundation provision of 21 laptops and two Webbox)
  - Handset charging station at the local shop
- Significant positive media coverage since launch

"Vodacom has just pulled the globe to this school "

T.S Mkhombo, Umhlabuyalingana Municipality Mayor











Vodacom MD Sipho Maseko works with a student from Emfihlweini's Mhlupheki High School.

Thank you.