

# MIRREIA Activities in Kenya

## Presentation during e7/UNEP Workshop on Rural Electrification

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QuickTime™ and a  
TIFF (LZW) decompressor  
are needed to see this picture.

# Barriers to Investment

- Limited ability of target consumers in rural areas to pay and to organize payment
- Lack of policy framework (for bagasse cogen, for example)
- Transmission/distribution limitations
- Transaction costs for financing small projects

# Project Assistance: Windflow

- Large (80MW+) wind farm project in Marsabit, Northern Kenya.
- Good wind power generation potential -- average wind speed of 16 m/s.
- But 400 km from national grid
- Dedicated project developer and team that includes Equity Bank and others
- Assistance provided:
  - Introduction to potential investor
  - Assistance with summary materials
  - Investor and Windflow are now working together

# Project Assistance: Green Power

- Green Power is developing 17 micro-hydro sites in Kirinyaga District in Central Kenya. Total of ten 100kW and seven 40kW installations planned.
- Community groups handle maintenance, operation, and payment, while Green Power provides hardware and connections.
- Assistance provided:
  - Finance specialist will review their business plan and provide feedback.
  - ESDA may assist with community training, a key barrier.

# Project Assistance: Mpeketoni

- Mpeketoni Electricity Project (MEP), a community-based electricity company in Lamu District, wants to develop a wind project to provide connections to 31,000 people.
- Partners include highly organized local company and Scottish Power.
- Assistance provided:
  - Facilitated government meetings to enable project to move forward
  - Provided technical assistance

# Lessons Learned (so far)

- Project developers need support - rural electricity sector is tough
- Linking developers to investors, key government officials, and sources of finance can move projects forward
- Developers' perceptions of regulation often very different from that of regulators