

**APPLES Project – South Africa**  
**Alleviation of Poverty through the Provision of**  
**Local Energy Services**

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## **PARTNERS**

### **EU**

- ECN
- Risoe
- University of Oxford

### **South Africa**

- Parallax
- ERC

➔ Broad national & international experience



## APPLES Key Information

- Start date: 1 June 2005
- Project duration: 32 months
- Financial support from:
  - European Commission
  - South African Government
  - Dutch Government
  - Danish Government
  - Global Environment Facility



## APPLES PROJECT GOAL

To find and *demonstrate sustainable mechanisms* for the effective delivery of improved energy services to poor communities in South Africa, facilitating the alleviation of poverty.



## OBJECTIVES

- To understand energy needs and priorities within the target communities
  - To determine and demonstrate the best practices for energy service provision
  - To strengthen the embryonic network of existing Energy Centres
- Support Government policy & implementation



## GENERAL PROCESS

- Needs assessment
- Best practice
- Demonstration
- Capacity building
- Impact assessment
- Communication & awareness



## LOCATION CRITERIA

- Existing infrastructure
- Match poverty nodes
- Demand for energy services
- Fit with aims of South African DME
- Range of conditions & locations
- Avoid conflict/duplication



## URBAN / PERI-URBAN

- 2 low-income settlements
- Focus on housing
- Link to DoH & local Municipality
- Analyse effective delivery options
- Demonstrate best practice
- Information and awareness
- Capacity Building



## RURAL

- 2 rural energy centres
- Affordable, accessible, appropriate
- Context:
  - National Integrated Energy Centre roll-out
  - RE & EE targets
  - Free Basic Energy (with DPLG)
  - LPG Challenge/Paraffin safety/Non-grid elec
  - Global Village Energy Partnership



## GVEP – South Africa

- 3 existing Energy Centres (IeCs)
- Funded by SASOL & Total
- Petrol station / co-operative model
- Business plans
- Local business creation
- 6 business plans for GVEP 1
- GVEP 2 ?



## RURAL ENERGY CENTRE MODEL 1

- Energy centre part of MPCC
- Municipality buy-in
- Hub & spoke
- Local Economic Development



## RURAL ENERGY CENTRE MODEL 2

- Need established
- Stand-alone leC
- Fit to leC roll-out
- Local sub-centres



## APPLES will...

- Support existing Government initiatives
- Bring energy choices to poor communities
- Facilitate Local Economic Development
- Assist future Government policy and practice

*Contribute to the Alleviation of Poverty through the Provision of Local Energy Services*



## Related Parallax Activity

- GVEP management
- Assessment & support for E+Co
- PACE Centre
- Switch On Energy Services

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