

SANEA Energy Rendezvous Cape Town

An innovative approach to implementing community development in South Africa's large-scale renewables roll-out

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Academic background and affiliations



How my research will change the world?

Background to Renewable Energy Independent Power Producer Programme (REIPPPP)

Programme benefits:

2011 – 2015: R190 Billion investment

102 renewable projects

Current installed capacity: 6300 MW (Swilling, 2016; Greencape, 2017)

Local benefit:

Minimum of 2.5% shareholding in renewable energy project

Annual income spend back in local community:

1.5% : Socio economic development

0.6% : Enterprise development

Hopefield Wind Farm

Umoya Energy (rf) (Pty) Ltd – African Infrastructure Investment Managers

Round 1 REIPPPP project: Operational 2014

37 Vestas V100 turbines

Installed capacity: 66.6 MW

Project costs: R1.5 Billion



Hopefield Wind Farm: Community Development

Hopefield Wind Farm Community Development Company

Home Improvement Project:

- Insulated ceilings
- Solar water heaters
- Improved electrical wiring and plumbing
- Energy efficient lights



Benefits of Hopefield Home Improvement Project

Upskilling

Job creation

691 Houses retrofitted in phase 1

+300 Expected houses to retrofitted in phase 2

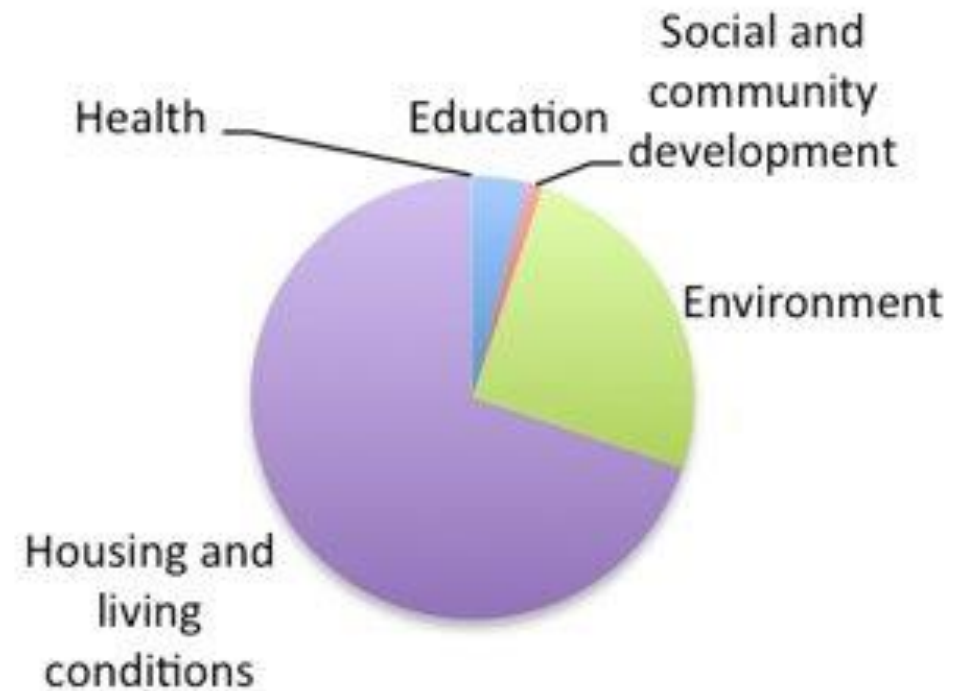


Hopefield Wind Farm: Community development spend to date

R17.1 million – socio economic development

R4.7 million – enterprise development

Community has 5% shareholding in the project



Importance of research

Renewable Energy more than just low carbon energy

Provides a model of sustainable development in Africa



Questions?



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