Micro-Digester Working Group

Presented by SANEDI:
WORKING FOR ENERGY PROGRAMME

3rd National Biogas Conference:
Moving Biogas Forward

DBSA
Lever Road, Headway Hill, Midrand
1 November 2017
WORKING FOR ENERGY PROGRAMME
WfE MANDATE

Part of the Expanded Public Works Programme (SA’s PEP)

- Employment creation
- Skills development
- Focusing on Women, Youth and people with Disabilities

The Programme has two broad focus areas:

1. Renewable Energy
   I. Energy research
      i. E.g: Studies on energy poverty eradication
   II. Demonstration of Renewable Energy technology applications
      i. E.g: Biomass to energy (biogas and syngas) initiatives derived from waste and invasive alien plants

2. Energy Saving Initiatives
   I. Demonstration of Energy Saving options for low income rural and urban communities
      i. E.g: Cool Surfaces / Cool Roofs
   II. Community Outreach
      i. Community Awareness; Skills development; Enterprise Development
Beneficiary focus areas

- Low income households;
- Educational facilities (ECDC’s; Schools; Agricultural Colleges)
- Places of care/ frail
- Income Saving & Generating community projects
  - Energy Services Provision
  - Food production
  - Food processing
  - Waste Management
SOME OF THE WORKING FOR ENERGY PROJECTS
ECDC greening initiatives in Kwa Maphumulo - KZN

Solar water heating, rain water harvesting, bioenergy, food gardens and efficient lighting
Bladder / Balloon designs Anaerobic digesters
Domestic Anaerobic digester design construction
Biogas Usage: Animal Husbandry

Biogas can also be used in animal husbandry (E.g. Warming piglets in cold climates)
Biogas usage: ECDC’s
Six working groups

1. Licencing
2. Financial / Commercial viability

3. Micro Digesters
4. Information Gathering
5. Vehicular biogas
6. Research (RECORD)
Micro Digester Working Group

History
- Formed by combining the “Small Scale” and “Rural digesters” working group

Terms of Reference
- Defined as digesters that fall below the minimum licencing and permit requirements from various government departments
- Advancement of the micro digester industry in South Africa
- Reduce recipients / beneficiaries / customers exposures / risks to cow boy contractors

Current work area / focus of the working group
- Production of Biogas Guidelines Manual and Decision Making Tool
  - Development of the Terms of Reference
  - Funded by USAID: SA LED

Intended users of such a document would include:
- National, Provincial and Municipal Government Departments
- Donor Agencies
- Research institutions
- Commercial institutions
- Private households
Micro Digester Working Group

Voluntary participation (THANK YOU!)

- Department of Energy
- GIZ
- USAID: SA-LED
- University of Fort Hare
- SABIA
- Department of Environmental Affairs
- UNIDO
- Water Research Commission
- CSIR
- Solutions without borders
- Motomaluti
- UNISA
- SANEDI: Working for Energy (Chair)
THANK YOU