In Partnership with 
Department of Environmental Affairs (DEA) & Department of Science and Technology (DST)

Supporting the Government of South Africa to transition to a low-carbon economy by promoting green growth
- Focus on helping municipalities move LED projects through the project development life

- Strengthen Project Development Capacity for LED Projects

- Increase core LED capacity through technical assistance and learning

- Improving access to finance
SECTOR FOCUS

- Renewable Energy
- Energy Efficiency and Demand Management
- Waste Management
- Sustainable Agriculture
- Transport
RESEARCH & ANALYSIS
- Identify best practice
- Develop case studies
- Conduct market research
- Identify project

ENABLING ENVIRONMENT
- Regulatory support
- Mobilise finance
- Stakeholder mapping
- Market integration

CAPACITY DEVELOPMENT
- Strengthen GoSA Capacity
- Strengthen LED project development capacity
- Support LED Planning
- Conduct LED Training

LED PROJECT DEVELOPMENT
- Conduct Feasibility Studies
- Draft RFPs
- Evaluate LED technology
- Unblock Projects

MRV
- GHG Accounting

FINANCE
- Credit Enhancement
- Revenue Models
- Match Funding
- Partial Risk Guarantees
- LED Products

COMMUNICATIONS AND OUTREACH
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Project Description</th>
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<tbody>
<tr>
<td>Vehicle Biogas Study Tour -</td>
<td>eThekwini Metropolitan Municipality’s Durban Solid Waste Management Unit (DSW) went on a study tour to a select number of facilities in the US where biogas production for vehicular use is happening on-site.</td>
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<td>Various US Cities</td>
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<td>Biogas to Renewable Natural Gas</td>
<td>As a follow up to the study tour SA-LED is providing technical assistance to Durban Solid Waste (DSW) to ensure successful implementation of a bio-CNG for vehicular use project at the Buffelsdraai landfill. ICF will perform a life-cycle assessment (LCA) and life-cycle costs (LCC) of the landfill gas to vehicle system. Further support to municipalities for LCA. SABIA conference training session.</td>
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## Enabling Environment

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<td>Microdigester Working Group: Smallscale Biogas Implementation Guidelines</td>
<td>Support the Microdigester Working Group under the National Biogas Platform by appointing a consultant(s) to develop a comprehensive guideline document that will guide implementers for small scale bio-digester projects at a household or community level.</td>
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<tr>
<td>Framework for Sustainable Biogas Projects in Schools in Eastern Cape</td>
<td>The Eastern Cape Provincial Government has started implementation of biogas projects in schools and has requested support from SA-LED to ensure that these projects are rolled out in a sustainable way.</td>
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</table>
USAID Development Credit Authority (DCA) Partial Risk Guarantee

| **USAID** | **USAID has numerous finance mechanisms to help kick start private sector funding**  
| **Finance** | **E.g. USAID DCA has a 50% partial risk guarantee with a financial industry partner in SA.**  
| **Objectives:** | **Encourage long-term project finance lending to stimulate small scale RE & EE markets**  
| | **Encourage lending to smaller developers without the balance sheets of large corporates** |
Through the SA-LED Program, in collaboration with appropriate US Agencies USAID will continue to support the biogas sector through:

- Small scale (rural) biogas project implementation
  - Sustainable biogas projects in schools
- Regulatory support for biogas projects especially transport application of biogas
- Facilitation of PPP waste water project arrangements
- Further project preparation support including monitoring
- Decision making support tools
  - Lifecycle costing
  - Co-benefit analyses
Thank you

Graham Paul
012 452 2255
gpaul@usaid.gov

CONTACT
Linda Manyuchi
SA-LED Chief of Party
012 346 0848
082 802 1795
lmanyuchi@southafricaled.com