



USAID | **SOUTH AFRICA**
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GENERAL MANAGEMENT ASSISTANCE CONTRACT (GMAC)

Contract No: 674-C-00-01-00051-00

**Sustainable Delivery Alternatives for Modern and Renewable Energy
Services to Rural Communities**

Grant No. 0053-0402-G-GA22

Nuon RAPS Utility (Pty) Ltd

This report was produced for review by the USAID. It was prepared as a performance milestone under Mega-Tech, Inc.'s prime contract. The contents of this report address activities performed under USAID/South Africa's Strategic Objective No. 6: Increased Access to Shelter and Environmentally Sound Municipal Services

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Activity Summary and achievements:

The objective of this grant was to extend an existing solar electrification pilot project in rural areas of northern KwaZulu Natal province in South Africa by increasing the size of the Solar Home Systems (SHSs) in order to widen customer choice, and to improve access to LPG and associated appliances for thermal applications.

The attached Grant Activity Completion Report briefly summarizes the achievements of the program.

Contents of this report:

1. Grant Activity Completion Report (June 2005)

Grant Activity Completion Report

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| 1. Name of Organisation | Nuon RAPS Utility (Pty) Ltd |
| 2. Grant Activity | 0053-0402-G-GA22 |
| 3. Briefly describe the grant objectives achievements and impact as a result of the grant activities implemented during the grant period. | |
| <p>The objective was the installation of 25 100Wp solar home systems (SHSs), improving the retail and distribution of LPG and the opening of an additional energy store.</p> <p>A total of 348 applications for the 100Wp SHS were received and in the order of 250 were installed. Three additional energy stores were opened in the towns of Mkuze, Ingwavuma and Hluhluwe in northern KwaZulu Natal bringing the total to six operating energy stores selling LPG.</p> | |
| 4. Briefly discuss the implementation process, including lessons learned and recommendations | |
| <p>In the first phase an Implementation Plan was development as was a SHS Customer Manual. In the second phase a range of components and appliances were selected to form part of the modern energy product range. These were ordered and delivered to the energy stores, including the fourth energy store that was established as part of the project.</p> <p>Retailing of the LPG appliances and components was started and supported by an advertising campaign. A contract with Totalgaz was signed for the delivery of LPG to the energy stores and the provisioning of refilling and storage equipment on loan.</p> <p>The project generally progressed satisfactorily and mainly according to plan. There were no failures. The problems experienced were limited to the slow development of an enclosure for the larger systems and the initial delay in selling LPG due to a shortage of pumps in the.</p> | |
| 5. Public Dissemination: GMAC requires that all grant activity deliverable(s) of the grant activity (e.g., a report or survey) must be made available to the general public. Briefly discuss how the grants activities and results were made accessible to interested parties. | |
| <p>The website www.raps.co.za carries reports on the Nuon RAPS Utility project.</p> <p>In addition presentations were made at the:</p> <ul style="list-style-type: none">• Technology Transfer Workshop held at Valley Trust, Durban on 6 August 2003• Technology for Women in Business Conference, Mmabatho 21/22 August 2003 <p>The following field trips were hosted:</p> <ul style="list-style-type: none">• 20 – 29 August 2003 for Tanzanian Energy Ministry• 3 October 2003 for Durban Metro Council• 7 October 2003 for Ugandan Delegation <p>On 5 November 2003 an hour radio show was done on Maputaland Community Radio</p> | |

Signature of Grantee



Date June 8, 2005