Cooperative Agreement in support of
the “Smart Development Initiative”

MONTHLY REPORT – October 2006

Prepared for:
Energy Division—Energy Sector Governance Program
Office of Infrastructure & Engineering
Bureau for Economic Growth, Agriculture and Trade
U.S. Agency for International Development

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Bureau of Economic Geology
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November 10, 2006
USAID Cooperative Agreement
Monthly Report
October 2006

The following are the activities conducted in the month of October. They fall under Task 1 (Continuation of Work in Ghana), Task 2 (Replicate the Ghana model elsewhere in West Africa), Task 3 (Replication / Expansion of the Ghana model to Latin America) and Task 4 (Smart Development concepts).

- Both Dr. Asante and Mr. Essandoh-Yeddu will travel outside the country on official business and therefore will miss the opportunity of presenting RCEER work on natural gas distribution economics in Tema and Takoradi at the 3rd annual West African Power and Mining Industry Convention (WAPIC) to be held in Accra in November 7-9, 2006. However, a short version of the paper is included in the convention proceedings and another colleague, Mr. Clottey, research assistant at ISSER and RCEER, will present on behalf of the authors. (Tasks 1 and 2)

- CEE hosted two Ghanaian delegates, one from each of EC and PURC, and three Nigerian delegates, one from each of NNPC, NGC and the Office of the Special Adviser to President on Energy Markets for a two-week study tour on natural gas industry. Attachment 1 provides the final agenda for and the presentations from the program. (Tasks 1 and 2)

- CEE also hosted Ms. Harriette Amissah-Arthur, Director of KITE, one of the supporting entities for RCEER. Ms. Amissah-Arthur presented at CEE’s Africa Think Day along with our other guests and also at the Women’s Global Leadership Conference in Energy & Technology (www.gulfpub.com/wglc). KITE is working many community based projects in the energy-environment arena supported by the World Bank and UNDP among others. KITE and RCEER will continue to explore ways to enhance their collaboration.

- CEE continues to fine tune Smart Development concepts for the white papers on Smart Development and on Smart Development Initiative (SDI) for Latin America. (Tasks 2-4)

Next steps

- RCEER will hold a public outreach activity on natural gas.

- RCEER and CEE will work together to organize a one-week workshop in Abuja in January or February 2007 with the help of NNPC and possibly other interested parties in the region.
## Visitors:

Mr. Mawunyo Dzobo, the Energy Commission (EC) of Ghana  
Mr. Joseph Boakye Danquah, Public Utilities Regulatory Commission (PURC) of Ghana  
Dr. Adeola Adenikinju, Special Assistant, Office of the Special Adviser on Energy Matters, Nigeria  
Mr. Faithful Abbiyesuku, General Manager, Gas – CPDD, NNPC  
Mr. Sam Ndikwe, Planning Manager, Nigeria Gas Company (NGC)

### Date & Activity

<table>
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<tr>
<th>Date</th>
<th>Activity</th>
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<tbody>
<tr>
<td>Oct 21/22</td>
<td>Arrival &amp; Free Time</td>
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| Oct 23 – Monday | 10:00 – 11:00 Orientation: Discuss program details, tour the office, meet staff and finalize program details; set goals for group project.  
                      11:00 – 13:00 Introductory lecture: Natural Gas Business (Dr. Michelle M. Foss)  
                      13:00 – 14:00 Lunch  
                      14:00 – 17:00 Lecture: LDC Model (Dr. Gurcan Gülen)                                    |
| Oct 24 – Tuesday | 10:00 – 12:00 Lecture: LDC Mode (continued) Dr. Gurcan Gülken  
                      12:00 – 14:00 Lunch  
                      14:00 – 17:00 Lecture: LDC Model - case studies (Dr. Gurcan Gülken, Dr. Bhamy Shenoy)   |
| Oct 25 – Wednesday | 10:00 – 12:00 Field visit: City of Lake Jackson CNG fleet  
                      12:00 – 15:00 Return to Sugar Land & Lunch  
                      15:00 – 17:00 Investing in power plants in emerging markets (Mr. Stephen B. Morisseau, Corporate Affairs and Mr. Ashish Sarker, EVP-Business Development, Globeleq) |
| Oct 26 – Thursday | 10:00 – 13:00 Cogeneration plant economics (Mr. Sam Mutasem)  
                      13:00 – 14:00 Lunch  
                      14:00 – 15:00 Upstream Development–Investor Viewpoint (Mr. Brian Rabe, Devon and Mr. Steve McGough, Devon) |
| Oct 27 – Friday | 10:00 – 12:00 Field visit: H-E-B LNG fleet  
                      12:00 – 14:00 Lunch  
                      14:00 – 16:00 Bangladesh: Gas Sector Reform Challenges, Impact of Gas on Poverty Alleviation and the Regulatory Framework (Dr. Ben Asante) |
| Oct 28 – Saturday | Free day                                                                                                                                   |
| Oct 29 – Sunday | Travel to Austin                                                                                                                          |
| Oct 30 – Monday | 9:30 - 12:30 Visit Texas Railroad Commission: Public Hearing and meeting with representatives from Legal, Gas Services and Safety Divisions  
  Travel to San Antonio  
  14:30 – 17:30 Visit to CPS Energy, LDC company, San Antonio |
| Oct 31 – Tuesday | 10:00 – 17:00 Visit to Grey Forest, LDC Company, San Antonio  
  Travel to Houston |
| Nov 1 – Wednesday | 8:00 – 11:00 CEE Think Day on Africa (CEE key sponsors, sr. advisors)  
  12:00 – 14:00 Working luncheon with Platts (MHP)  
  14:00 – 17:00 – Natural Gas Industry: Large Industrial User Perspective (Mr. Bert Bean, Praxair) |
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<tr>
<td>Nov 2 – Thursday</td>
<td>10:00 – 12:00 Field visit: Hockley, El Paso pipeline control facility</td>
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<td>12:00 – 15:00 Lunch and return from Hockley</td>
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<td>15:00 – 17:00 Wrap-up roundtable: lessons learned (what was learned, how it will be applied in Ghana &amp; Nigeria, solved problems &amp; solutions).</td>
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<td>Nov 3/4</td>
<td>Depart</td>
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