



National Association of Regulatory Utility Commissioners Regulatory Partnership Program

Partnership between:

Public Utilities Commission of Ohio (PUCO)

and

Ministry of Energy of Ghana (MoE)

and

Energy Commission of Ghana (EC)

and

Public Utilities Regulatory Commission of Ghana (PURC)

Sponsored by:

United State Agency for International Development (USAID)

December 15-19, 2008

Accra, Ghana



USAID
FROM THE AMERICAN PEOPLE

List of Participants

Public Utilities Regulatory Commission

<http://www.purc.com.gh>

Honorable Andrew Quayson, *Commissioner*

Honorable Stephen Adu, *Commissioner/
Executive Secretary*

Mr. Emmanuel Sekor, *Legal Director*

Mr. Seth Adjei Boye, *Technical Manager*

Energy Commission

<http://www.energycom.gov.gh>

Honorable Andrews Addae, *Chairman*

Mr. Alfred K. Ahenkorah, *Executive Secretary*

Mr. Martin Asare, *Chief Program Officer
Natural Gas Division*

Mr. Francis Gbeddy, *Chief Power*

Mr. Kofi Agyarko, *Senior Program Officer*

Ministry of Energy

<http://www.energymin.gov.gh>

Mr. Kwaku Boateng, *Project Analyst*

Mr. Ben Okai, *Deputy Director, Policy
Planning, Monitoring and Evaluation
Directorate*

Public Utilities Commission of Ohio

<http://www.puco.ohio.gov/>

Ms. Kim Wissman, *Director, Energy and
Environment Dept. [also Executive Director,
Ohio Power Siting Board]*

Mr. Klaus Lambeck, *Chief, Siting &
Environmental Analysis Division, E&E Dept.*
Mr. Matthew Butler, *Communications Chief,
Office of Public Affairs*

Mr. Thomas Pearce, *Senior Utility Specialist,
Utilities Dept.*

Delaware Public Service Commission

<http://dep.sc.delaware.gov/>

Honorable Arnetta McRae, *Chair*

National Association of Regulatory Utility Commissioners

<http://www.naruc.org>

Mr. James Lindley, *Deputy Director, International
Programs*

Ms. Bevan Flansburg, *Program Assistant,
International Programs*

Objective

This visit to the Accra by the PUCO constitutes the seventh exchange of experience and information between the PUCO and Ghana policy and regulatory institutions with the goal of building capacity and fostering long-term sustainable relationships between both countries. This training will focus on the topics of monitoring, data collection, establishment of appropriate system codes and standards, and regional market monitoring.

Ghana/NARUC Partnership

December 15 – 19, 2008

Accra, Ghana

Program Agenda

Sunday, December 14

08:20 Participants arrive in Accra
 Acclimation Day: Activities TBD

Monday, December 15

Delegates have breakfast at hotel

**Session Topics: Welcome and Overview
 Updates on PUCO and Ghana Energy Sector**

09:00 **Welcome Remarks & Introductions**
PUCO, PURC, EC, MOE, NARUC

09:15 **Update on the PUCO and Recent Developments in Ohio's Energy Sector**
PUCO

09:45 **Update on Recent Developments in Ghana's Energy Sector**
MOE, EC, PURC

10:30 Break

10:45 **The Rationale and Objectives of Effective Monitoring Process**
PUCO

- General Role of the Regulator
- Critical role of transparency, public access and availability of information in regulatory monitoring and audits
- Information dissemination
- Information analysis

12:00 Lunch

- 13:00 **US Regulatory Accounting Systems in Practice**
PURC
- Uniform system of accounts for utilities
 - Generally Accepted Accounting Principles (GAAP)
 - Audit capability
 - Regulatory rules
- General discussion on tariffs (rationale, cross-subsidies among customer classes)
- 15:15 Break
- 15:30 **Developing Chart of Accounts and Instructions for Licensees in the Electricity Sector**
PURC
- Regulatory and tax aspects of a uniform accounting information system
 - Applicable accountancy laws
 - Sub-accounts
 - Instructions for each license type
 - Reporting timeframes
- 16:15 **Roundtable Discussion on the Day's Topics**
- 17:00 Conclude for the day

Tuesday, December 16

Delegates have breakfast at hotel

- 09:00 **Types of Data Collected, Legal Mechanisms in Data Access, Data Publications and Restrictions in OH**
PUCO
- Relations between regulator and licensed entities
 - Relations between regulator and the general public (sharing financial and operational data) [Matt]
 - How does the commission protect proprietary information yet achieve transparency? Who determines what is confidential, what is considered confidential information, and how is a dispute over whether or not something is confidential resolved.
 - What is the degree of confidentiality information discussed during open sessions?
 - How does the commission make available non-confidential information?
- 10:30 Break
- 10:45 **The Ghanaian Experience in Data Collection**
PURC, EC, MOE

- Issues and Challenges

12:30 Lunch

14:00 **Regulatory Monitoring of the Natural Gas Market Structure**
PUCO

15:00 Break

15:15 **Regulatory Monitoring of the Electricity Market Structure**
PUCO

- Key issues in the electricity integrated market and role of regulator in facilitating competition
- Overview of Monitoring Relationships: regulators and utilities (intrastate), TSOs (interstate)
- Monitoring interstate energy trading

16:15 **Roundtable Discussion on the Day's Topics**

17:00 Conclude for the day

Wednesday, December 17

Delegates have breakfast at hotel

09:00 **Infrastructure Development: Financing and Siting**
PUCO

- Infrastructure financing
- Infrastructure investment
- Siting processes
- Incorporating local involvement stakeholder involvement

10:30 Break

10:45 **Infrastructure Development in Ghana**
PURC, EC, MOE

- Infrastructure financing
- Infrastructure investment
- Siting processes
- Incorporating local involvement stakeholder involvement

12:30 Lunch

14:00 **Monitoring Cross-border Transactions and Regional Market Monitoring in the US**

PUCO

- Objectives
- Data requirements, availability of technical and operational data
- Information disclosure and confidentiality
- Monitoring prices, volume and conduct of participants
- Practical approaches to effective monitoring process
- Challenges and lessons going forward
- MISO, PJM, etc.

15:15 Break

15:30 **Efforts in Ghana to Develop an Effective Monitoring Process**

PURC, EC, MOE

- Appropriate goals for Monitoring, what factors are affecting Ghana
- Difficulties with convincing the utilities to adopt these measure

17:00 Conclude for the day

Thursday, December 18

Delegates have breakfast at hotel

09:00 **Regional Market Monitoring in West Africa – The West African Power Pool**

PURC, EC, MOE

- Benchmarking
- Enforcement mechanisms
- Regional efforts and progress

10:30 Break

11:00 **Siting Rules and Procedures**

PUCO

- Objectives
- Data and filing requirements
- Structure and role of public hearings
- Stakeholder interest and the role of the regulator

12:30 Lunch

14:00 **Case Study: Utility Monitoring**

PUCO

- Role of the State Commissions and FERC
- Definitions and indicators

- Technical and commercial considerations in conducting monitoring and mitigation processes
- Functions of the market monitor (market surveillance v. mitigation, efficiency improvements, market power abuse, periodic analyses of collected data)
- Real-time market monitoring (data, economic withholding through raised bids)
- Examples of monitored data
- Day-ahead market monitoring
- Monitoring the continuity of supply
- Market reports
- Complaint process and dispute resolution
- Mandatory standards for commercial and technical quality
- Regulatory treatment by PUCO
- Benchmarking
- Enforcement mechanisms

15:15 Break

15:30

16:30 **Roundtable Discussion on the Key Results and Accomplishments of the NARUC/PURC/PUCO/MoE/EC Partnership**

17:00 Plaque Ceremony

19:00 Concluding Dinner TBD

Friday, December 19

Delegates have breakfast at hotel

8:30 Jim Lindley, Bevon Flansburg and Chair McRae visit PURC, EC and MoE to discuss the impact of the partnership on energy regulation in Ghana from a first-hand perspective of high-level regulators from each agency.

10:20 PUCO delegates depart Accra to return to USA