

## **Budapest Seminar on Tariffs REPORT**

**“INOGATE Technical Secretariat & Integrated Programme in support of the Baku Initiative and the Eastern Partnership energy objectives”**

**Service Contract No. No 2011/278827**

**A Regional Seminar: “INOGATE Partner Countries convergence with EU Electricity and Gas Tariffs”**

**29, 30 & 31 October 2013**

**BUDAPEST**

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## Table of contents

|           |   |           |
|-----------|---|-----------|
| <b>1.</b> | <b>INTRODUCTION.....</b>  | <b>3</b>  |
| <b>2.</b> | <b>PREPARATION OF THE EVENT.....</b>                                    | <b>3</b>  |
| <b>3.</b> | <b>THE EVENT .....</b>  | <b>4</b>  |
| <b>4.</b> | <b>EVALUATION OF THE EVENT.....</b>                                     | <b>5</b>  |
| 4.1       | GENERAL COMMENTS.....   | 5         |
| 4.2       | OVERALL ORGANISATION EVALUATION .....                                   | 5         |
| 4.3       | EVALUATION OF THE SESSIONS, GENERAL AND SPECIFIC KNOWLEDGE GAINED ..... | 6         |
| 4.4       | SPECIFIC COMMENTS:.....   | 7         |
| 4.5       | OBSERVATIONS .....  | 9         |
| <b>5.</b> | <b>MAIN ISSUES ADDRESSED .....</b>                                      | <b>10</b> |
| 5.1.      | ECONOMICS OF PRICE REGULATION.....                                      | 10        |
| 5.2.      | INCENTIVE REGULATION.....   | 10        |
| 5.3.      | CALCULATING THE REVENUE REQUIREMENT .....                               | 11        |
| 5.4.      | TARIFF DESIGN .....   | 11        |
| 5.5.      | INVESTMENT AND TARIFF REGULATION.....                                   | 11        |
| 5.6.      | PRICE CONTROL AND PUBLIC SERVICE OBLIGATIONS.....                       | 12        |
| 5.7.      | REGULATION AND PRICING NETWORK ACCESS.....                              | 12        |
| 5.8.      | SUMMARY OF TARIFF REVIEW INITIAL FINDINGS.....                          | 12        |
| 5.9.      | OVERVIEW OF EUROPEAN ENERGY PRICING AND METHODS .....                   | 12        |
| 5.10.     | PARTICIPANT PRESENTATIONS AND ROUND TABLE.....                          | 13        |
| <b>6.</b> | <b>ANNEXES.....</b>   | <b>14</b> |
| 6.1.      | AGENDA .....  | 14        |
| 6.2.      | PARTICIPANTS.....   | 14        |
| 6.3.      | PRESENTATIONS .....   | 14        |
| 6.4.      | EVALUATION RESULTS.....   | 14        |
| 6.5.      | PHOTOS & MEDIA MATERIAL .....   | 14        |
| 6.6.      | QUESTIONNAIRES .....  | 14        |

## 1. Introduction

This Report examines the Regional Seminar: “INOGATE Partner Countries convergence with EU Electricity and Gas Tariffs” implemented under the EU funded project “INOGATE Technical Secretariat & Integrated Programme in support of the Baku Initiative and the Eastern Partnership energy objectives”. The event was held in Budapest from October 29 to October 31, 2013 and was jointly organised by the Inogate Technical Secretariat (ITS) and the Energy Regulators Regional Association (ERRA).

The three day event had two overall objectives:

### **Days 1 and 2: Presented by ERRA speakers**

- To impart basic knowledge of tariff strategies adopted in Europe, including the establishment of price regulation methods and tariff design. A series of capacity building presentations from ERRA was intended to provide the underlying theoretical knowledge of tariff design and provide practical examples of how tariffs have been implemented in the EU member states.

### **Day 3: Tariff Review and participant feedback**

- The presentation of a summary of the results of the survey and presentations by the participants of their own tariff structures, their challenges and their plans for reform; and areas in which further assistance from the Inogate project identified and discussed.

## 2. Preparation of the Event

The preparation of the event consisted of the following tasks:

- Development of the concept note, thematic agenda and selection of the speakers for the event
- Preparation of the invitation letters and co-ordination of visa applications
- Logistics of flights, conference venue and hotels for participants and ITS speakers and staff;
- Preparation of a contract for the engagement of ERRA in the event
- Development and updating of the seminar’s agenda;
- Development and translation of presentations
- Development and editing of supplementary materials which would be provided to the participants
- Distribution of ex-ante and ex-post evaluation questionnaires
- Preparation of the evaluation reports and review of the conclusion of the seminar

The specific objectives of the event were:

- to build a common understanding of the key principles of energy tariffs in the EU and Energy Community;
- to provide the delegates with the ability to analyse their local tariff methodologies and identify deviations from EU practices;

- to discuss and propose changes to the incumbent methodology and devise a strategy for change;
- to present to the delegates the results and conclusions of the tariff study, and to receive feedback on the situation in their own countries, the challenges they faces and their strategy for tariff reform.
- To give PCs the opportunity to build their own AHEF applications with country specific needs that are not covered by the Tariff Study

At the conclusion of the seminar:

- The participants should have gained a reasonable knowledge of the strategies and methods in use in the EU for tariff setting.
- They should have a comprehensive understanding of the steps required to reform their own tariffs in line with those in Europe.
- The relevant TEG members should be equipped to develop a strategy and plan for tariff reform as part of a wider national reform process
- Requirements for further assistance identified and applications for AHEFs invited.

### **3. The Event**

The INOGATE Seminar took place at the:

**BUDAPEST CENTRUM NOVOTEL, BUDAPEST, HUNGARY**

1088 Budapest, Rákóczi Way 43-45, Hungary

The agenda of the event is presented in Appendix 6.1.

During the event the following topics were discussed:

**Day 1:**

The first day consisted of a series of lectures regarding:

- the underlying economic principles upon which the development of tariffs is based,
- the methods of establishing price and incentive based tariffs
- an analysis of the benefits of incentive over price tariffs and the necessary starting conditions for the implementation of incentive tariffs
- methods of calculating the revenue requirement
- Tariff design theory for end consumers

The day wound up with an exercise in deriving the Revenue Requirement and a round table discussion of the issues.

## **Day 2:**

The second day focused on:

- the impact of tariff regulations on the investment community,
- mechanisms for incorporating public service obligations such as support for RES into the tariffs
- the challenges of regulating network access

The day finished with a round table discussion of the issues.

## **Day 3:**

The third day was devoted to the current conditions in the partner countries and their agenda for reform:

- a presentation on EU methods and practices for tariffs
- a summary of the initial findings of the Tariff Study on a regional basis
- a presentation from each of the participant countries on their tariffs and challenges
- a round table discussion on future plans and the potential for assistance from Inogate

**The participants:** A list of the participants attending the Seminar may be found in Appendix 6.2

# **4. Evaluation of the Event**

## **4.1 General Comments**

The evaluation of the event and its impact has been assessed using the questionnaires (see Appendix 6.6 for the questionnaires and Appendix 6.4 for the analysis of the results) which were completed anonymously by the participants before and after the event. The evaluation was aimed at:

- The assessment of the overall organisation of the event (presentations, logistics, hotel, etc.) and the utility & quality of each session.
- A self-assessment on the knowledge gained & an evaluation on covering the priority needs of the participants by the contributions delivered in the event.

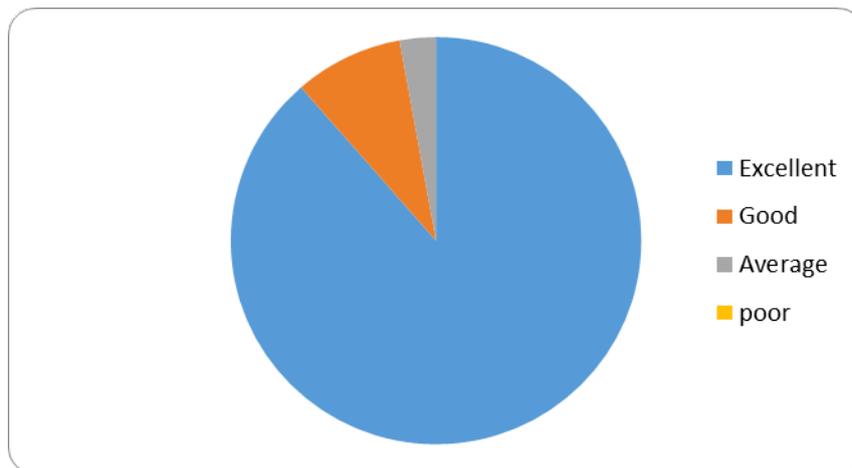
## **4.2 Overall organisation evaluation**

An evaluation of the overall organisation of the event included the following components:

### 1) Organisational Aspects

- Overall Organisation
- Travel and visa support
- On-site organisation
- Quality of the hotel
- Participation in ERRA seminar

The Figure below represents a of summary evaluation results concerning the Organizational assessment:



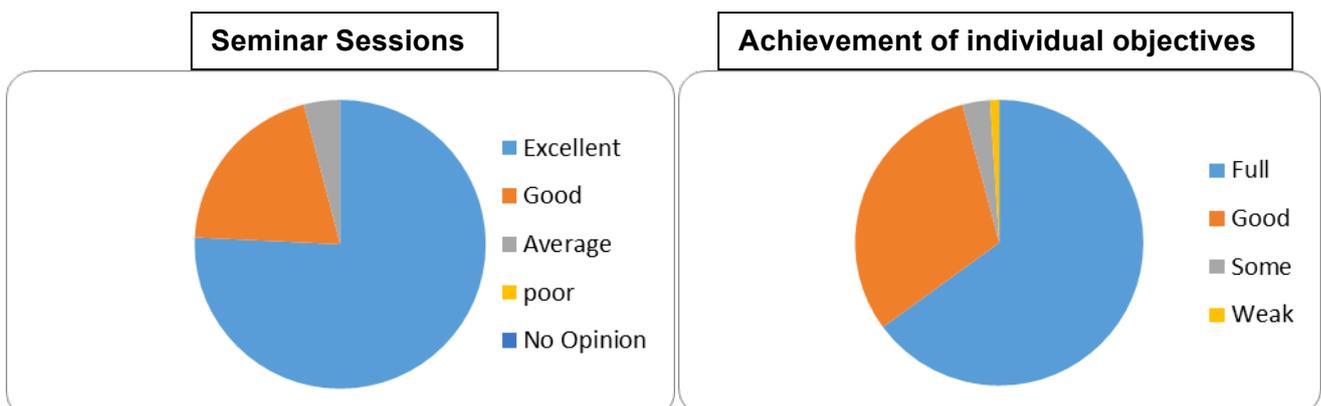
The majority of participants rated the venue and organisation as 'excellent' and none assessed it as poor. Overall, the opinion of participants regarding the organisation and logistics were very high.

### 4.3 Evaluation of the sessions, general and specific knowledge gained

The questionnaires were designed to capture the level of expertise before the event and the change in knowledge after the event, to enable the assessment of the success of the seminar. Two aspects were surveyed:

- 1) Quality of sessions (selection of topics) for the seminar
- 2) Achievement of the objectives of the seminar

The overall assessment of the event firstly in terms of the subject matter and quality of the event and secondly in terms of the relevance to the individual participants is shown below.

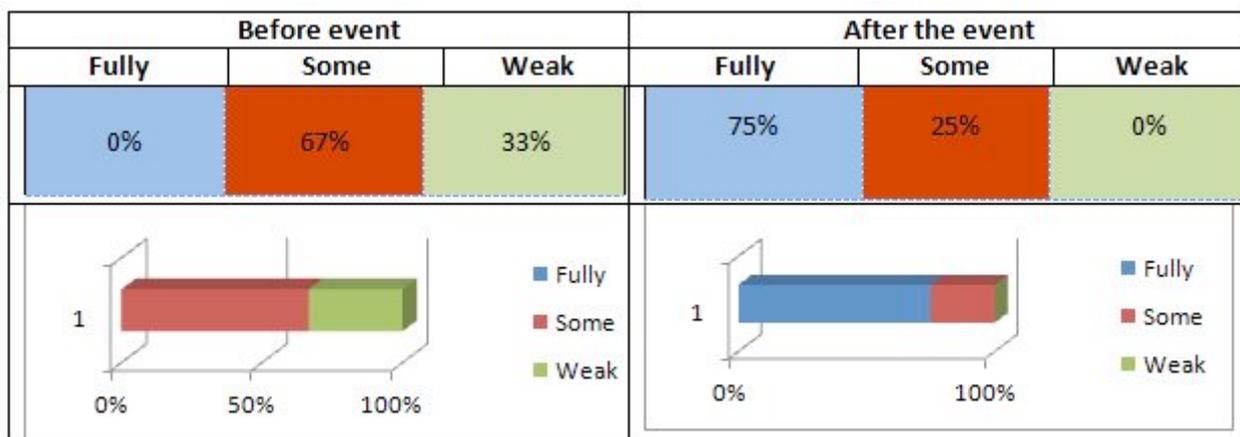


As may be observed, in terms of the overall quality and content of the seminars, more than 76% described the event as 'Excellent' and the majority of the rest as 'Good'. No participant considered the event to be poor. A slightly lower ratio felt that their specific objectives were fulfilled and this is a result of the highly diverse set of markets market environments represented by the participants, from the fully integrated state owned utilities in Tajikistan and Azerbaijan to the relatively sophisticated energy complexes in Moldova, Ukraine and Kazakhstan. Nevertheless, more than two thirds of the participants felt that their objectives were fully met and the large majority of the rest felt that most of their objectives were filled.

The evaluation was performed against the general issues such as understanding of European tariff policy on the energy sector, knowledge and understanding of how the cost of supply should be calculated and regulated with a summary of the strengths and weaknesses of cost based methodologies and incentive based regulation. Additionally, each participants' perceptions of their own and their organisation's ability to contribute to tariff strategy was also surveyed.

The evaluation shows that for all the components assessed, the participants gained important knowledge and improved their understanding.

For example, the question "How would you rate your knowledge and understanding European policy and legislation regarding energy tariffs in the electricity sector?" demonstrated the following results:



The full results of the evaluation results for the specific topics addressed by the seminar are presented in Appendix 6.4

#### 4.4 Specific Comments:

The participants were asked to provide their comments on some specific issues. The statements below are a representative selection of the responses.

- 1. Please explain briefly how you will apply acquired knowledge and skills in your daily work (please include specifics).**

*All of the participants felt that their knowledge had been expanded in ways relevant to their business; one response notes the difficulty of implementation in their environment.*

- 'Strengthened my knowledge and clarified many aspects that will be taken into consideration'
- 'The knowledge received in the seminar will help in analysing the tariff structure and the regulation concerning regulation'
- 'The seminar was very useful, I am better able to compare our tariffs with those in other countries'
- 'We discovered exactly how the tariffs should be calculated'
- 'Not sure how we can use the information since our system is different'

**2. Please explain briefly how the regional seminar has clarified the strategies for energy tariffs and their implementation and if you will apply this knowledge in your daily work.**

*The participants felt that their sharing of experiences was beneficial and relevant to their business; one response notes that specific local solutions are required.*

- 'I learned many things about the tariff calculation in the Partner Countries'
- 'It helped to understand what is going on in other countries'
- Each country should be looked at specifically, general solutions do not always work

**3. Please explain briefly how the European practices presented during the event will influence your work in your own country.**

*The participants all appreciated the relevance of EU practises for to their sector:*

- 'It has increased my knowledge of EU experience on comparing and benchmarking'
- 'The seminar helped me a lot because in the future I will be able to find out if our tariff calculation is different to the EU and in what manner '
- 'We discovered exactly how we differ from EU practices'
- 'We now understand that we need additional analysis and work to understand the possibilities'
- 'We cannot use all of the EU model'
- 'The experience of appraising investments for inclusion into the tariffs was very useful'

**4. Will the knowledge and skills acquired during regional seminar help you to improve Tariffs in your own country?**

*The participants all felt that their knowledge and skill base had been improved in different ways, the following are examples:*

- 'I now know how the tariffs are calculated in many countries, this knowledge I did not have before and it was very interesting'
- 'If we use the WACC method of price regulation as in the EU then it would be possible to make tariffs more cost reflective'

**5. Has the regional seminar helped to increase your awareness of the Technical Expert Group? Please explain what benefits this brings you and how you will use them.**

*The participants all felt that the networking opportunity was valuable, in addition to the specific subject matter of the event:*

- 'In my everyday work I can refer to my colleagues from different countries who are TEG members and ask them various things that I am interested in or advice on different issues'
- 'I found out which countries are mainly following the EU requirements and rules in comparison with my own country'
- 'The EU tariff setting method is now understood by us and will help in our country tariff calculation process (if it will change)'
- 'Communication with other experts will help in comparing tariffs'

## **4.5 Observations**

### **Days 1 & 2**

The first two days of the event consisted of a series of lectures presented by ERRA. The training modules were necessarily generic in nature and therefore could not directly address the specific issues that were of concern to the participants. These issues covered in the question and answer sessions at the end of each lecture. It was noted that the bulk of the interaction came from representatives of the more advanced countries, probably because many had experience in the subject matter. However, the representatives of the less advanced PCs were able to gain insights from practical issues faced when introducing tariff reforms.

### **Sessions**

The sessions on 'Incentive Regulation' and 'Calculating the Revenue Requirement (RR)' had the highest scores in the session evaluations. Clearly, the subject of Incentive Based Tariffs (IBTs) is of interest throughout the PCs, even in those countries where there are no immediate plans for adoption. Great attention was also paid to the RR session, particularly with regard to the topic of the establishment of the Regulatory Asset Base. This can clearly be attributed to the fact that the respective presentation touched upon practical issues that the NRAs have to deal with in their day-to-day practice.

The session on 'Price Regulation and Investment' had the second highest score, with a considerable amount of detailed material on the issues of investment appraisal and the dynamic between regulatory price control and the need to attract investment. This subject

would have benefited from a longer time slot to fully explore, although the slides contain much material of value.

The sessions on the 'Economics of Price Regulation', 'Tariff Design Theory with worked example', and 'Price Regulation and Public Service Obligations' scored next highest. This session was probably a little more useful for the representatives of the less advanced PCs. It should be mentioned that the worked example in Tariff Design Theory session was of great interest to the participants but may have benefited from a longer time slot to allow the presenter to go through the solution in detail.

The lowest score was for the session on the ERA database, which still scored 85%. The session was marked as interesting in the evaluation form, but it was not immediately obvious how the data could be useful for the partner countries.

### Day 3

The final day of the event was dedicated to the PCs. The initial findings of the Tariff Review were presented to set the context, and then the PCs made their own presentations. The presentations were mainly focused on the current state of affairs that exist in each country and in some cases their future plans; there was not a lot of mention of the problems they had encountered or could foresee. In the round table discussion that followed the presentations, there was some lively debate and discussion of areas where assistance would be of value, and several AHEFs have since been received.

However, again the bulk of the interaction came from representatives of the more advanced countries. This may be because tariffs are not open for discussion in some of the PCs because of Governmental policy. Inogate should continue to work with these countries to encourage reform.

## 5. Main issues addressed

### 5.1. Economics of price Regulation

A discussion of the underlying economic principles of regulating the tariffs of a monopoly energy organisation, and the interaction between the various industry entities:

- Areas of tariff regulation: Just networks in the EU, but in many of the partner countries all segments are subject to price control.
- The objectives of tariff regulation: encourage efficient operation of the various enterprises, protect consumer interests, ensure quality of service
- Definitions of cost based and incentive based tariff regulation, price and revenue caps in incentive based methodologies
- Major steps of tariff regulation: setting the revenue requirement, tariff design, price control
- Objectives of tariff regulation: cost coverage, economically effective production, motivation for improvements, transparency, minimisation of regulatory intervention, avoidance of cross subsidies
- Tariff design and signals: Multipart tariffs, time of day tariffs, seasonal tariffs

### 5.2. Incentive Regulation

A description of the characteristics of incentivised regulation, and of the advantages and disadvantages of applying such a methodology:

- Types of incentive regulation - price and revenue caps, regulatory period and adjustments
- Establishment of initial price level (OPEX, RAB and Return on Assets)
- Treatment of new investments
- Incentives for reduction of losses in network companies
- Indexation and efficiency factors
- Possible adjustment factors - volume, contingent events
- Benchmarking

### 5.3. Calculating the Revenue Requirement

A discussion of the mechanisms and data sources required to establish the OPEX requirements taking into account the information gap between the regulator and regulated environment, establishment of the value and reasonable return on the regulated assets:

- The main principles of tariff regulation
- calculating the revenue requirement
- the advantages and disadvantages of the various sources of sources and the reliability of the information contained (particularly for non-listed companies)
- treatment of depreciation
- treatment of taxes
- Calculation of WACC and the Capital Asset Pricing Model

### 5.4. Tariff Design

A detailed examination of the underlying principles and objectives underlying the design of tariffs to fairly allocate the cost of service to the various customer categories:

- Separation of input costs into the relevant categories - variable and fixed, controllable and uncontrollable, average and marginal
- Apportionment of costs into customer categories based on demand forecasts, voltage, use of fixed assets
- Tariff structure - single part, multipart, time/season differentiated
- Other considerations - reactive power, public service obligations, connection charging, stranded costs, ancillary services
- Treatment of subsidies

The lecture was followed up with exercises to reinforce the subject material

### 5.5. Investment and tariff regulation

The session focused on the balance that has to be maintained between customer and company interests and the costs and benefits of the regulatory system, and upon the general trends in investments in the energy sector:

- Drivers of investment - demand growth, renewable generation, grid connection and management, aging assets
- Categories of investment - 'extension investments targeted at meeting the needs of changing load and generation patterns, replacement of obsolete assets, exceptional investments frequently occurring as a consequence of changes in legislation
- Investment appraisal - the dynamic between the various institutions of companies, government and the regulatory authority
- Promotion of efficient investment via incentive schemes

- Methods of funding investments - data sources used to establish the credibility of the approach, ensuring that investors have a reasonable certainty of earning an adequate return

## **5.6. Price Control and Public Service Obligations**

A discussion of social tariffs, cross subsidies, universal service obligations and methods of inclusion into the tariffs:

- definitions and identification of vulnerable customers, methods of providing supply and recovering the cost of the subsidy
- Universal service obligations, default supplier and supplier of last resort - definitions, selections, notifications and funding
- Support for green energy - feed in tariffs, feed premiums, tendering for construction, obligations to consume energy from renewable sources

## **5.7. Regulation and pricing network access**

A lecture debating the mechanisms for establishing the cost of network tariffs, including ongoing costs, new connections, transit and RES

- Financing options for new investments
- Cost components of transmission service
- Regulated Asset Base calculation methods
- Energy and power components of network prices in end user tariffs
- Transit pricing; inter TSO compensation mechanism
- Capacity allocation and congestion management
- Integration of Renewable Energy Sources into the networks

## **5.8. Summary of Tariff Review initial findings**

An overview of the findings of the tariff review exercise:

- Comparison of the structure of the market in the partner countries
- Review of the methods in use for the calculation of the cost components of the industry sub-sectors (production, transmission, dispatch and supply)
- Review of the allocation of costs to the various customer categories and of subsidies
- Comparison of cost and pricing in the partner countries

## **5.9. Overview of European energy pricing and methods**

A discussion of common themes and practises in tariff regulation in the member states of the European Union:

- The process and progress of market liberalisation in the European Union
- The major principles of price regulation
- Comparison of the currently adopted methodologies in the EU: Cost plus, rate of return and the various flavours of incentive based tariffs

- Common methods of establishing the revenue requirement
- Approaches in accommodation of working capital, new investments, taxes and exceptional requirement (for example new public service or legal obligations)
- Regulated tariff structures in network companies

### **5.10. Participant presentations and Round Table**

The participants from those partner countries that attended the seminar made their own presentations regarding the tariff methodologies currently in operation, their plans and challenges. The presentations were followed by a discussion during which various aspects of the tariffs were debated. Areas of interest were:

- The implementation of incentive based tariffs for network businesses
- The applicability and implementation of time differentiated tariffs
- Impact of tariffs on quality of service
- The accommodation of RES and feed-in tariffs
- Treatment of reactive power by distribution companies

Following the presentations, there was an active discussion of the issues raised during the Seminar. Of the more advanced of the partner countries:-

- Moldova, Georgia and Kazakhstan all indicated their intention to introduce Incentive Based Tariffs (IBT) for their electricity networks
- Georgia and Moldova commented that they already were receiving consultancy on the issue
- Kazakhstan, which had had earlier support from the EBRD, indicated that support from Inogate would be very helpful and have since submitted several tariff related AHEFs
- Armenia has no current plans to move from its current cost based methodology, but have requested specific assistance in tariff related issues, indicating that the current tariffs are not yet sufficiently mature to support the introduction of IBT

Of the less advanced partner countries:-

- Tajikistan recognised the need for reform in the sector including the issue of Tariffs and indicated that they were currently receiving assistance from the ADB
- Azerbaijan has also requested an AHEF in the general area of Regulation with a focus on regulatory treatment of losses
- Representative from Belarus, Turkmenistan, Uzbekistan and Kyrgyzstan were unable to attend; however both Uzbekistan and Kyrgyzstan have indicated that support would be welcomed.

Generally, the seminar reinforced the findings of the Tariff Review in that those countries that have unbundled their energy sector have made considerable progress in establishing coherent tariff methodologies and in many cases are seeking to move to the more effective incentive based method for network tariffs. Those countries that remain vertically integrated retain fairly opaque tariff structures which show little evidence of cost reflectiveness or allocative efficiency. Tajikistan seems to be in a transitional phase, having undertaken functional unbundling and are now actively pursuing the next steps.

The presentations may be found in Appendix 6.3

## **6. Annexes**

### **6.1. Agenda**

The Agenda of the event can be found at the following link of the INOGATE web portal <http://www.inogate.org/media/documents/Agenda%20Tariff%20Seminar%20Oct%202013%20V4.pdf>

### **6.2. Participants**

The List of Participants of the event could be seen in the following link of the INOGATE web portal ([http://www.inogate.org/media/documents/Participants\\_list\\_EU%20Budapest.pdf](http://www.inogate.org/media/documents/Participants_list_EU%20Budapest.pdf))

### **6.3. Presentations**

The main presentations of the INOGATE seminar may be seen in the following links to the INOGATE web portal:

<http://www.inogate.org/media/documents/Energy%20pricing%20in%20EU%20ENG.pdf>)

<http://www.inogate.org/media/documents/Tariff%20Review%20ENG.pdf>

### **6.4. Evaluation results**

See attached:

6.4.1 Tariff Review Evaluations (ITS)

6.4.2 Tariff Seminar Evaluations (ERRA)

### **6.5. Photos & media material**

[http://www.inogate.org/index.php?option=com\\_inogate&view=activity&layout=images&pid=72&cid=305&Itemid=75&lang=en](http://www.inogate.org/index.php?option=com_inogate&view=activity&layout=images&pid=72&cid=305&Itemid=75&lang=en)

### **6.6. Questionnaires**

#### **6.6.1 Tariff Seminar Questionnaires (before)**

## **Regional Seminar content and organisation questionnaire (immediate evaluation: before the event)**

Before filling out this questionnaire, we kindly ask you to consider carefully each question given in the questionnaire before answering. The questions are intended to provide an indication of your knowledge before attending the seminar.

The questionnaire is provided in English with a translation into Russian. We recommend that you work with the original English text.

## Section I General Knowledge

| Question  | Fully familiar – very good knowledge and understanding | Some familiarity, knowledge and understanding | Weak familiarity, knowledge and understanding |
|---|--|---|---|
| How would you rate your knowledge and understanding European policy and legislation regarding energy tariffs in the electricity sector?   |  |   |   |
| Please indicate your knowledge and understanding of role of EU Regulatory Authorities, the Agency for the Cooperation of Energy Regulators (ACER) and how they contribute to the development of tariff methodologies in the EU. |  |   |   |
| Please indicate your knowledge and understanding of the key principles of tariff calculation and setting in Europe  |  |   |   |
| Please indicate your knowledge and understanding of the design of electricity tariffs in your own country   |  |   |   |
| Please indicate your knowledge and understanding of the design of Gas tariffs in your own country   |  |   |   |

## Section II – Specific skills

| Question   | Strong | Medium | Weak |
|--|--------|--------|------|
| How would you rate your personal/your organization's potential to contribute to the development of a tariff methodology in harmony with the Energy Community Treaty                              |        |        |      |
| How would you rate your personal/your organization's potential to contribute to an organised forum/structured dialogue for the identification of strong and weak points of tariff methodologies? |        |        |      |
| How would you rate your skills in networking with other experts in the same area?  |        |        |      |

## 6.6.2 Tariff Seminar Questionnaires (After)

### Regional seminar content and organization questionnaire (immediate evaluation: after the event)

Before filling out this questionnaire, we kindly ask you to read the event objectives presented below and carefully consider each question given in the questionnaire before answering.

The questionnaire is provided in English with a translation into Russian. We recommend that you work with the original English text.

### Objectives

To establish a common understanding and vocabulary of the strategies and methodologies underlying gas and electricity tariffs in Europe in order to assist the participants in the development of local tariff methodologies in compliance with the provisions of the Energy Community Treaty. The seminar will be followed up with a regional study on tariffs which will compare existing with EU practises and propose the changes required for compliance.

The specific objectives of the assignment are:

- to build a common understanding of the key principles of energy tariffs in the EU and Energy Community;
- to provide the delegates with the ability to analyse their local tariffs and identify deviations from EU practises;
- in the longer term, to discuss and propose changes to the incumbent methodology and devise a strategy for change;
- to familiarise delegates with the INOGATE Tariff Review study, and receive feedback on any perceived issues.

### Achievement of Seminar Objectives:

| Question   | Full achievement of objectives | Good but not completely satisfactory achievement of objectives | Some achievement of objectives – many gaps | Weak achievement of objectives – significant gaps |
|--|--------------------------------|--|--|---|
| To appreciate the rationale of incentive based regulation and the challenges of implementation |                                |  |  |   |
| To understand the process of tariff design and how well  |                                |  |  |   |

|   |  |  |  |  |
|---|--|--|--|--|
| designed tariffs can support the regulatory objectives  |  |  |  |  |
| To gain an appreciation of the relationship between tariffs and investment  |  |  |  |  |
| To understand the concepts of the revenue requirement and how it may be calculated  |  |  |  |  |
| To gain an appreciation of how Public Service Obligations are managed and how the costs are recovered through tariffs             |  |  |  |  |
| To understand how costs for network capacity are calculated and recovered   |  |  |  |  |
| To provide the participants with a networking opportunity between representatives of INOGATE and the European relevant equivalent |  |  |  |  |

## Section I – general knowledge

| Question   | Fully familiar – very good knowledge and understanding | Some familiarity, knowledge and understanding | Weak familiarity, knowledge and understanding |
|--|--|---|---|
| How would you rate your knowledge and understanding European policy and legislation in the electricity sector?   |  |   |   |
| Please indicate your knowledge and understanding of role of EU Regulatory Authorities, the Agency for the Cooperation of Energy Regulators (ACER) and how they contribute to the implementation of tariff methodologies in the EU. |  |   |   |
| Please indicate your knowledge and understanding of the key principles of tariff calculation and setting in Europe   |  |   |   |
| Please indicate your knowledge and understanding of the design of Electricity tariffs in your own country  |  |   |   |
| Please indicate your knowledge and understanding of the design of Gas tariffs in your own country  |  |   |   |

## Section II – specific skills

| Question   | Strong | Medium | Weak |
|--|--------|--------|------|
| How would you rate your personal/your organization's potential to contribute to the development of a tariff methodology in harmony with the Energy Community                                     |        |        |      |
| How would you rate your personal/your organization's potential to contribute to an organised forum/structured dialogue for the identification of strong and weak points of tariff methodologies? |        |        |      |
| How would you rate your skills in networking with other experts in the same area?  |        |        |      |

### Section III – event organization

How would you rate the following (please tick your selection):

|   | Excellent | Good  | Average | Poor  |
|---|-----------|-------|---------|-------|
| a) Overall Organisation                 | _____     | _____ | _____   | _____ |
| b) Travel & visa support                | _____     | _____ | _____   | _____ |
| c) On-site organisation                 | _____     | _____ | _____   | _____ |
| d) Quality of the                       | _____     | _____ | _____   | _____ |
| e) Selection of topics and presentation | _____     | _____ | _____   | _____ |

Please rate the usefulness & quality of each session (please tick your selection):

|   | Excellent | Good | Average | Poor | No opinion |
|---|-----------|------|---------|------|------------|
| Economics of price regulation/Incentive Regulation  |           |      |         |      |            |
| Calculating the revenue Requirement   |           |      |         |      |            |
| Tariff Design Theory  |           |      |         |      |            |
| Exercise: Tariff Design Theory  |           |      |         |      |            |
| Energy Sector Price Regulation and Investment: a Company Perspective  |           |      |         |      |            |
| Price Regulation and Public Service Obligations (social tariffs, cross subsidies, universal service obligations, tariffs for renewable electricity) |           |      |         |      |            |
| Introduction of the ERRA Tariff Data Base<br>Trends and developments of tariffs over time in ERRA CIS countries                                     |           |      |         |      |            |
| Regulating and Pricing Network Access   |           |      |         |      |            |
| ITS Tariff Review Study   |           |      |         |      |            |

Please feel free to write any comments/ questions/ recommendations you may have:

## Section IV – application of knowledge and skills

### Question

Please explain briefly how you will apply acquired knowledge and skills in your daily work (please include specifics).

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Please explain briefly how the regional seminar has clarified the strategies for energy tariffs and their implementation and if you will apply this knowledge in your daily work.

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Please explain briefly how the European practices presented during the event will influence your work in your own country.

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Will the knowledge and skills acquired during regional seminar help you to improve Tariffs in your own country?

If yes, please explain how:

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If no, please explain reasons:

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Has the regional seminar helped to increase your awareness of the Technical Expert Group? (Please explain what benefits this brings you and how you will use them).

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