



**Technical Assistance for Improvement of Performance-Based  
Tariff Regulation of EMRA For Turkish Energy Markets Through  
Introducing an Enhanced Monitoring System**



This project is funded by the European Union

# Presentation for the workshop under Task 1 - Improvement of performance-based tariff setting for transmission and distribution system operations

**11-12 December 2019, Wyndham Hotel, Ankara**





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## AGENDA 11 December 2019 – Natural gas

Time	Agenda item	Presenter/Moderator
09:30 – 10:00	Opening and Task summary	Wietze Lise, team leader
10:00 – 11:00	Presentation of Task 1.1 Report –Tariff Structure Assessment and Recommendations Report; discussion of main recommendations - Transmission	Erdoğan Özen, senior NKE Dimitar Shterev, senior NKE
11:00 – 11:30	Coffee break	
11:30 – 13:00	Presentation of Task 1.1 Report – Tariff Structure Assessment and Recommendations Report; discussion of main recommendations – Distribution	Emre Ertürk, senior NKE Giuliana Caponigro, senior NKE
13:00 – 14:30	Lunch break	
14:30 – 16:00	Presentation of Task 1.2 Report – Data Requirements and Harmonization and Standardization of Data DRAFT Report; discussion of main findings	Emre Ertürk, senior NKE Giuliana Caponigro, senior NKE





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## AGENDA 12 December 2019 – Electricity

Time	Agenda item	Presenter/Moderator
09:30 – 10:00	Opening and Task summary	Wietze Lise, team leader
10:00 – 11:00	Presentation of Task 1.1 Report –Tariff Structure Assessment and Recommendations Report; discussion of main recommendations - Transmission	Yıldız Durukan, senior NKE
11:00 – 11:30	Coffee break	
11:30 – 13:00	Presentation of Task 1.1 Report – Tariff Structure Assessment and Recommendations Report; discussion of main recommendations – Distribution	Kenan Sitti, senior NKE Serhat Can, senior NKE
13:00 – 14:30	Lunch break	
14:30 – 16:00	Presentation of Task 1.2 Report – Data Requirements and Harmonization and Standardization of Data DRAFT Report; discussion of main findings	Kenan Sitti, senior NKE Esin Emer, senior NKE





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# Indicative Timeframe Task 1

## Task 1: Improvement of performance-based tariff setting for transmission and distribution system operations at Turkish electricity and natural gas markets

		Start	End
<b>A. 1.1</b>	Delivering Tariff Structure Assessment and Recommendations Report for both electricity and natural gas sectors	May 2019	November 2019
<b>Milestone 2: Tariff Structure Assessment and Recommendations Report</b>			
<b>A. 1.2</b>	Delivering Data Requirements and Harmonization and Standardization of Data Report	May 2019	December 2019
<b>Milestone 3: Data Requirements and Harmonization and Standardization of Data Report</b>			
<b>A. 1.3</b>	Organising 2 Study Visits to regulators and other institutions working in relation to tariff setting and monitoring in the EU Countries for observing best EU practices for performance based tariff structure for both gas and electricity	June 2019	January 2020
<b>A. 1.4</b>	Organising 2 workshops with the participation of EMRA, TEIAS, BOTAS, MENR	July 2019	December 2019





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## Activity 1.1

### Summary of work done :

- Benchmarks in related EU countries has been assessed for both distribution and transmission systems
- Verification of which country would best fit Turkey
- Complete the gap analysis to make recommendations for changes in the Turkey performance-based tariff system.
- Key recommendations formulated and are the key topic of the workshop.





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## Activity 1.2

- This activity is ongoing and the first draft is going to be presented during the afternoons of the workshop.





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## Activity 1.3

**Study visit to Portugal – completed**

**Study visit to Austria – planned for the week of 20-24 January**





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# Study visit to Portugal completed on 20-26 October 2019

## Meetings conducted with:

- ERSE: two full day meetings at the Portuguese regulator to discuss all items relevant to our project
- DGEG: half a day meeting with the Ministry of Energy
- REN: half a day meeting with both the NG and power control rooms and experts
- INESC TEC: meeting with Prof Peças Lopes at the smart grid laboratory in Porto
- EDP: full day meeting with distribution group and discussion on social tariffs





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## Activity 1.4

- The content of these two workshops (gas and electricity) is prepared. The workshop is going to be held on 11-12 December. First Gas, second power.





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# Indicative Timeframe Task 2

## Task 2: Improvement of energy market monitoring system that will enhance monitoring for Turkish electricity and natural gas markets

		Start	End
<b>A. 2.1</b>	Delivering Market Monitoring Assessment and Recommendations Report	June 2019	December 2019

### Milestone 4: Market Monitoring Assessment and Recommendations Report

<b>A. 2.2</b>	Delivering analysis of existing data management systems at EMRA	July 2019	January 2020
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### Milestone 5: Analysis of Existing Data Management Systems at EMRA Report

<b>A. 2.3</b>	Organising 2 trainings (one for gas sector and one for electricity sector) for the staff from EMRA, EXIST, TEIAS, BOTAS, MENR etc. on Regulation on Wholesale Energy Market Integrity and Transparency	October 2019	February 2020
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# Indicative Timeframe Task 3

## Task 3: Incorporating incentive mechanism into tariff structure to enhance innovation capabilities of regulated entities

		Start	End
<b>A. 3.1</b>	Conducting 2 workshops for the participants from EMRA, TEIAS, BOTAS, MENR etc. to identify capabilities, needs and expectancies of regulated entities about innovation and R&D.	September 2019	February 2020
<b>A. 3.2</b>	Delivering Incentive Mechanism and Innovation Report for electricity and natural gas sectors	December 2019	March 2020
<b>Milestone 6: Incentive Mechanism and Innovation Report</b>			
<b>A. 3.3</b>	Organizing 2 study visits to target EU countries which have effective market monitoring mechanism in place for EMRA staff for observing best EU practices for incentive based tariff mechanism for each sector – Italy and Norway	September 2019	March 2020
<b>A. 3.4</b>	Organizing 2 trainings for EMRA staff regarding the outputs of Task 3	November 2019	March 2020





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# Indicative Timeframe Task 4

## Task 4: Preparation of Smart Grid Road Map and Required Methodological Tariff Approaches

**A. 4.1**

Delivering Smart Grid and Methodological Tariff Approaches Report for both electricity and natural gas sectors

**Start**

**End**

December 2019

March 2020

### Milestone 7: Smart Grid and Methodological Tariff Approaches Report

**A. 4.2**

Organizing 2 workshops for staff from EMRA and from regulated companies with the aim of discussing the recommendations and proposals delivered under Task 4

March 2020

May 2020





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## THANK YOU / Teşekkürler

11-12 December 2019, Wyndham Hotel, Ankara

