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Task 3.4 Training: “Best Practices Regarding Innovation and Recommendations for Regulated Electricity and Gas Entities”

Summary of the project and training:

Overall Project Objective is to improve the functioning of electricity and gas markets in line with EU requirements.

Project Purpose is to improve the capacity of EMRA by the development of a new performance-based tariff calculation mechanism, including a social tariff.

The project aims at three main results:

1. Methodology for performance-based tariff calculation is developed.
2. Energy market monitoring system of EMRA is improved.
3. EMRA’s capacity to regulate market through the use of performance-based tariffs is enhanced.

This training is the **fourth activity under Task 3** – Incorporating incentive mechanism into tariff structure to enhance innovation capabilities of regulated entities. The purpose of the training is to strengthen the institutional capacity with respect to making incentive mechanisms part of the tariffs, with the purpose to enhance the capabilities of regulated entities for innovation.

The objectives of the trainings could be summarized as:

- Present the outputs of Task-3
- Inform the participant about innovation funding and support mechanisms in EU
- Provide insights about different regulatory approaches towards innovation R&D activities of electricity and gas utilities, as well international best practices
- Describe the recommendations to incentivize innovation including legislative changes

These two **trainings**, each for one day and 20 Ankara-based EMRA staff per training day, will provide instruction on the outputs of Task 3. More specifically, the EMRA staff will be trained on best practices regarding tariffs that incentivize innovation, recommendations to incentivize innovation, including legal changes and data requirements to incorporate this incentive into the current tariff structure. (Out of city participation is not foreseen.).

The Contractor will conduct the training via the ZOOM platform to facilitate interaction. There will be audio-based Turkish-English simultaneous interpretation available during the online training. Both days will be focusing on two separate sectors, namely electricity and natural gas.

Participants from EMRA are herewith invited to attend this training and to benefit from the ongoing work in the Tariff project for EMRA.





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Task 3.4 Training: “Best Practices Regarding Innovation and Recommendations for Electricity Distribution and Transmission Companies”

02 September 2020, Online

AGENDA 02 September 2020 – Electricity focused training		
Time	Agenda item	Presenter/Moderator
10:00 – 10:10	Opening and Task summary	Wietze Lise, Team Leader Gökhan Tosun, senior NKE
10:10 – 10:30	Innovation Funding and Support Mechanisms in EU for Electricity Companies	Gökhan Tosun, senior NKE
10:30 – 11:00	International benchmark, best practices and regulatory approaches about incentivizing innovation (Electricity Distribution)	Gökhan Tosun, senior NKE
11:00 – 11:30	Roles, responsibilities, strategies and actions of regulated entities and public institutions in incentivizing country-specific targets (Electricity Distribution)	Gökhan Tosun, senior NKE
11:30 – 12:00	Gap Analysis and Recommendations (Electricity Distribution)	Gökhan Tosun, senior NKE
12:00 – 13:30	Break-2	
13:30 – 14:00	ENTSO-E Innovation and R&D Activities	Yıldız Durukan, senior NKE
14:00 – 14:30	International benchmark, best practices and regulatory approaches about incentivizing innovation (Electricity Transmission)	Yıldız Durukan, senior NKE
14:30 – 15:00	Gap Analysis and Recommendations (Electricity Transmission)	Yıldız Durukan, senior NKE
15:00 – 15:30	Wrap-up and Q&A	Gökhan Tosun, senior NKE Yıldız Durukan, senior NKE





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Task 3.4 Training: “Best Practices Regarding Innovation and Recommendations for Gas Distribution and Transmission Companies”

04 September 2020, Online

AGENDA 04 September 2020 – Gas focused training		
Time	Agenda item	Presenter/Moderator
10:00 – 10:10	Opening and Task summary	Wietze Lise, Team Leader Gökhan Tosun, senior NKE
10:10 – 10:30	Innovation and R&D Studies in European Gas Distribution	Dr. Ioannis Vlachos, senior NKE
10:30 – 11:00	International benchmark, best practices and regulatory approaches about incentivizing innovation (Gas Distribution)	Dr. Ioannis Vlachos, senior NKE
11:00 – 11:30	Roles, responsibilities, strategies and actions of regulated entities and public institutions in incentivizing country-specific targets (Gas Distribution)	Dr. Ioannis Vlachos, senior NKE
11:30 – 12:00	Gap Analysis and Recommendations (Gas Distribution)	Dr. Ioannis Vlachos, senior NKE
12:00 – 13:30	Break	
13:30 – 14:00	Innovation and R&D Studies in European Gas Transmission, ENTSO-G Innovation and R&D Activities	Arnaldo Orlandini, senior NKE Jose Menendez, senior NKE
14:00 – 14:30	International benchmark, best practices and regulatory approaches about incentivizing innovation (Gas Transmission)	Arnaldo Orlandini, senior NKE Jose Menendez, senior NKE
14:30 – 15:00	Gap Analysis and Recommendations (Gas Transmission)	Arnaldo Orlandini, senior NKE Jose Menendez, senior NKE
15:00 – 15:30	Wrap-up and Q&A	Dr. Ioannis Vlachos, senior NKE Arnaldo Orlandini, senior NKE Jose Menendez, senior NKE Gökhan Tosun, senior NKE

Detailed Agenda for Electricity Training





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1. Opening and Task summary

- Welcome
- Topics that are covered in this task
- Task implementation approach

2. Innovation Funding and Support Mechanisms in EU for Electricity Companies

- Horizon 2020 Framework Program
- Horizon Europe Framework Program
- ERA-NET
- Connecting Europe Facility (CEF)
- Other Support Mechanisms

3. International benchmark, best practices and regulatory approaches about incentivizing innovation (Electricity Distribution)

- Different regulatory approaches on incentivizing innovation efforts
- Selected country practices (UK, Italy, France, Norway, Portugal, Netherlands, Finland) for regulation of distribution innovation activities

4. Roles, responsibilities, strategies and actions of regulated entities and public institutions in incentivizing country-specific targets (Electricity Distribution)

- Innovation and R&D
- Electric Vehicles Charging Infrastructure
- Power Storage
- Distributed Generation
- Energy Efficiency

5. Gap Analysis and Recommendations (Electricity Distribution)

- Overarching Principles
- Recommendations About Tariff Methodologies and Incentives
- Scope of Innovation Business/Master Plan
- Evaluation of R&D Project Applications and Monitoring
- Allocation of R&D Budget According to Project Types
- Priority Innovation Areas for the Turkish Electricity Distribution Sector
- Other Recommendations

6. ENTSO-E Innovation and R&D Activities

- ENTSO-E Vision on Transmission Innovation
- General description of ENTSO-E approach on cross-continental innovation activities
- ENTSO-E Recommendations for Innovation Framework





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7. International benchmark, best practices and regulatory approaches about incentivizing innovation (Electricity Transmission)

- Different regulatory approaches on incentivizing innovation efforts
- Selected country practices (UK, Italy, France, Norway, Finland) for regulation of transmission innovation activities

8. Roles, responsibilities, strategies and actions of regulated entities and public institutions in incentivizing country-specific targets (Electricity Transmission)

- Grid Operation and Safety
- Power Electronics
- Data Management and Digitalization
- Sector Coupling
- Relation between TSOs and DSOs

9. Gap Analysis and Recommendations (Electricity Transmission)

- Overarching Principles
- Summary of Recommendations

10. Wrap-up and Q&A





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Detailed Agenda for Gas Training

1. Opening and Task summary

- Welcome
- Topics that are covered in this task
- Task implementation approach

2. Innovation and R&D Studies in European Gas Distribution

- Support Mechanisms
- Selected Projects

3. International benchmark, best practices and regulatory approaches about incentivizing innovation (Gas Distribution)

- Different regulatory approaches on incentivizing innovation efforts
- Selected country practices (UK, Italy, France, Ireland, Finland) for regulation of distribution innovation activities
- Comparison of country regulatory practices

4. Roles, responsibilities, strategies and actions of regulated entities and public institutions in incentivizing country-specific targets (Gas Distribution)

- Gas Smart Meter
- Flexibility Services
- Infrastructure for Natural Gas Vehicles
- Energy Efficiency Services
- Smart Gas Grids

5. Gap Analysis and Recommendations (Gas Distribution)

- Overarching Principles
- Recommendations About Tariff Methodologies and Incentives
- Scope of Innovation Business/Master Plan
- Evaluation of R&D Project Applications and Monitoring
- Allocation of R&D Budget According to Project Types
- Priority Innovation Areas for the Turkish Gas Distribution Sector
- Other Recommendations

6. Innovation and R&D Studies in European Gas Transmission, ENTSO-G Innovation and R&D Activities

- ENTSO-G Vision on Transmission Innovation
- ENTSO-G Innovative Project Platform





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- Funding Mechanisms

7. International benchmark, best practices and regulatory approaches about incentivizing innovation (Gas Transmission)

- Different regulatory approaches on incentivizing innovation efforts
- Selected country practices (UK, Italy, France, Norway, Finland, Spain) for regulation of transmission innovation activities
- Comparison of country regulatory practices

8. Gap Analysis and Recommendations (Gas Transmission)

- Overarching Principles
- Summary of Recommendations

9. Wrap-up and Q&A

