Overview of the transposition and implementation of EED Art. 9-11 and EED Art. 14 in Bosnia and Herzegovina

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Metering and billing for electricity, gas and heating, EED Art. 9-11

M1: Development of technical and economic justification for the introduction of energy metering systems for end customers
DBM1: Introduction of metering and billing according to actual consumption in district heating, cooling and hot water supply systems
DBM2: Introduction of intelligent metering systems and roll out of smart meters for natural gas and/or electricity

Adopted EEAP FBIH 2019-2021

Draft EEAP RS 2019-2021

Draft NEEAP BiH 2019-2021
RS EE Law stipulates the following (Article 21):
Distribution system operators, energy distributors and retail energy sales companies shall offer to the final customer the purchase and installation of individual meters for measuring energy consumption at competitive prices, in the following cases:
- a) if the energy supply to the final customer is performed without measurement,
- b) a building undergoes major renovations and
- c) the connection to the power grid undergoes renovation.

RS Energy Law stipulates the following (Article 34):
1) Undertakings dealing with supply of end users with energy should at least once a year, along with the bill, inform the customers on impact of the method of energy use on environment and sustainable development and, in an appropriate way, educate and direct the customers to use energy in a prudent and cost-effective way.
2) In order to create conditions for cost-effective and efficient use of energy by end users, the calculation of energy is made according to the actually metered energy.

FBIH EE Law stipulates the following (Article 43):
Distribution system operator, energy supplier, small distribution system operator and small supplier are obliged to install their own individual metering devices for final energy consumers provided at competitive prices, ... and which will provide final energy consumers with accurate data on current and total energy consumption and time of use, wherever technically feasible and financially justified in relation to possible energy savings.

FBIH EE Law stipulates the following (Article 43):
...if technically feasible, billing and invoicing of energy consumption is based on actual energy consumption. The invoice / bill is accompanied by appropriate information that provides final energy consumers with a detailed report on current energy costs.
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<td>GH.BiH.6</td>
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Heating and cooling, EED Art. 14

Draft NEEAP 2019-2021
Status of transposition of EED Art. 14 in BiH

**RS**
- Partially transposed within the EE law and the Energy Law.
- Heating has been covered only at the local level, in individual municipalities and cities.
- In order to achieve the set goal of reducing primary energy consumption in the coming period measures defined within the draft EEAP RS will be implemented.

**FBiH**
- Partially transposed within the EE law.
- Heating has been covered only at the local level, in individual municipalities and cities.
- In order to achieve the set goal of reducing primary energy consumption in the coming period measures defined within the adopted EEAP FBiH will be implemented.
Assessment of the potential for the application of high-efficiency cogeneration and heating and cooling

- Creation of the Assessment of the potential for the application of high-efficiency cogeneration and heating and cooling in BiH has been conducted.

- Distribution of total annual heat production in 2017 for BiH, by entities and by type of fuel:

  - The total heated area of all DHS in BiH is 10,048,516 m². Most DHS charge for the heat supply services is in the combined form, i.e. flat rate per heated area (KM/m²) and according to the actual consumption (KM/MWh). The average collection rate of all analyzed companies engaged in the supply of thermal energy is 86.3%.

- An analysis of the potential for expanding district heating systems for selected areas has been made.
Out of 45 analyzed environments, only 17 of them have the potential for highly efficient cogeneration. This can be achieved by covering the needs for heating and domestic hot water, but also other needs (other than heating). In this way, savings in these environments of 10% to 24% are achieved.
Main challenges in BiH

- Defining 2030. targets
- NECP process development, BRS
- Energy statistics
- Modelling Centres
Thank you for your attention!

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