

#### Energy Agency of the Republic of Macedonia

# Energy Agency Roles and Responsibilities in Macedonian Energy road towards EU membership

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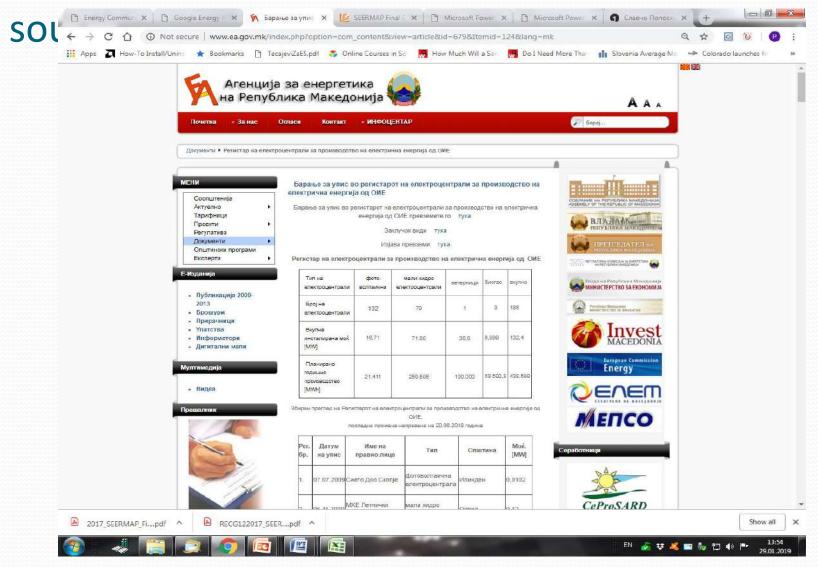
# Background of the Energy Agency of the Republic of Macedonia:

- The Energy Agency of the Republic of Macedonia is established by the Law on Establishment of Energy Agency of the Republic of Macedonia. The Agency acts in a capacity of a legal entity and has public authority prescribed by the Law on Establishment of Energy Agency of the Republic of Macedonia. The Agency is autonomous in its operations. The functions of the Agency are support to the:
- **implementation** of energy policy,
- preparation of long-term NEEAP (National Energy Eff. Action Plan) and short-term programs,
- **annual report** for saving of energy from implementation of EE measures, regional cooperation and coordination, preparation of draft laws, secondary legislation and technical regulations in the area of energy and other activities in the energy sector.

# ENERGY AGENCY IS RESPONSIBLE INSTITUTION FOR:

 Developing and maintaining a database on the energy consumption in the Republic of Macedonia in public sector (not to mix with energy balance), participate in the development of strategies and action plans for energy, issuing permits for measurement of wind energy, mainteining a register of powerplants that generate electricity from renewable energy sources and highefficiency cogeneration plants, issuing confirmation on behalf of government decree with in the procedure for acquiring the status of privileged producer of electricity from renewable energy sources, issuing certificates of origin for electricity produced from renewable energy sources and highly efficient cogeneration plants and etc.

#### Specific Activities In the area of renewable energy



# **RES REGISTER**

Туре	PV	SHPP	Wind PP	BIOGAS	Total
number	102	80	1	3	185
total inst.					
capac (MW)	16,71	71,88	36,8	6,999	132,40
annual					
pr.plan					
(MWh)	21.411	258.595	100.000	58.592	438.599

last upd. 20.06.2018

## RES New wave- market blooming

- **PV** from 17 to xxx MW (waiting for Government Decree)
- Wind expected 150 MW
- Biogas more than 7MW
- Thanks to market sustainable approach named
- PREMIUM TARRIF

## Energy Efficiency –actual legislative

- Regarding transposition of
- Transposition of EE 27/2012/EU
- EPB 31/2010/EU
- ELD /EU/2008
- still valid articles from "Old" Energy Law and EE Strategy till 2020 and Rulebooks for:
- energy audits, energy efficiency NEEAPs, EE of buildings, training of energy auditors, labeling of household appliances, municipality programs for EE
- Maintenance:
- Register of certificates of buildings
- Register of authorised energy auditors
- List of eligible Training Centers for energy auditors

#### EE new wave

- Further Energy Efficiency Directive Transposition + EPB + Eco Labelling revision of 3 existing Rulebooks, new more than 10 Rulebooks
- <u>Public sector:</u> IV NEEAP, MVP Implementation on local and central government, usage of WB templates for 3 year Municip. Programs, Guidelines for min.techn.requirements for public procurement for EE measures,
- <u>Services (public and commercial) sector</u>:buildings, revision of Rulebooks, ECSO model in connection with <u>residential</u> sector
- <u>Industrial sector</u>-new Rulebook with options for implementing ISO 50001 or
- energy audit for industrial processes.

#### EE in EU: new trends NZEB

- Near zero energy buildings
- Class A building 25 KWh/m2-annualy
- Class A+ 15 KWh/m2-annualy
- !? how t get to zero o KWh/m2-annualy?
- +++ RES adding RES (PV, WIND, biomass)

The goal is: in order to achieve o kWh/m2a to produce on site up to 15 kWh/m2 annualy energy from RES

### BIM in MK?

New type of estimation for CO<sub>2</sub> emission reduction

In which of EU directives will it be located we are still not familiare with,

But promotes new aproach to building sector.

Congratulations for the

**Project Launch**