



Energy Agency of the Republic of Macedonia

“Financing Energy Efficiency Investment for Climate Change Mitigation”

NPI-Energy Agency of the Republic of Macedonia

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**Policy Reforms to Promote Energy Efficiency and Renewable Energy
Investments**

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LEGAL, INSTITUTIONAL AND ADMINISTRATIVE REFORMS-1

STATUS OF THE STRATEGIC DOCUMENTS :

- ✓ **Energy Strategy 2010-2020/30 was improved after long process of public and experts debates and is adopted on April 22, 2010,**
- ✓ **Energy Efficiency Strategy and First National EE Action Plan (NAPEE) are adopted in May 2010,**
- ✓ **Renewable Energy Strategy is adopted in September 2010,**
- ✓ **Energy Law, adopted by the Parliament in 2006 and amended in 2007 and 2008 is in final phase of EU harmonization.**
- ✓ **It is expected that New Energy Law will be adopted on October 25, 2010.**

LEGAL , INSTITUTIONAL AND ADMINISTRATIVE REFORMS-2 SECONDARY LEGISLATION:

- ✓ **Rulebook for EE labeling of household appliance, adopted in 2007, is in force since January 1, 2010,**
- ✓ **Rulebook for EE in new buildings adopted November 2008, was not in force since planed date January 1, 2010.**
- ✓ **Rulebook for RES for production of electricity is adopted in October 2008.**
- ✓ **Rulebook for issuing the GoO from RES is adopted in October 2008**
- ✓ **Rulebook for acquiring the status of preferential producer of electricity from RES is adopted in February 2009.**
- ✓ **Rulebook for acquiring the status of preferential producer of electricity from CHPP is adopted March 2010.**
- ✓ **Rulebook for issuing the GoO from CHPP is adopted June 2010.**

LEGAL, INSTITUTIONAL AND ADMINISTRATIVE REFORMS-3

- ✓ **Establishing of EE Department in EARM or new EE Agency is proposed in the EE Action Plan, as well as foundation of EE Fund and Esco Company,**
- ✓ **Public Private Partnership is strongly recommended as investment mechanism,**
- ✓ **The New Energy Law obliges municipalities and the City of Skopje to develop and implement five-years Local Energy Efficiency and RES Programs and yearly action plans for their implementation.**
- ✓ **Energy Agency is obliged to collect and process all programs and plans and to prepare final report including recommendation to the MoE and Government,**
- ✓ **Energy Agency is obliged to prepare Yearly Energy Balance for RM,**
- ✓ **Strategy for Energy Development is considerable improved during the process of public/experts debate,**
- ✓ **Energy Agency is responsible body for organizing training for EE auditors,**
- ✓ **Separate RE Strategy and Action Plan is prepared in approved,**
- ✓ **Public tenders and administrative procedures particularly for issuing construction permits and concessions on land and water is considerably simplified which result in increase of interests for investment in RES and EE**

ECONOMIC AND FINANCIAL REFORMS-1

- ✓ **The feed-in tariff for electricity produced from RES is fully operational,**
- ✓ **Governmental Decision for maximum install capacity for RES-PP is in place,**
- ✓ **Numerous donor programs support EE measures on the local level,**
- ✓ **International Finance Institution (EBRD, World Bank) strongly support Development of energy projects in infrastructure, EE and RES,**
- ✓ **EBRD through Western Balkans Sustainable Energy Credit Line Facility WeBSECLF approved 60.0 Mio EURO for investment in EE project in SMS enterprise,**
- ✓ **Commercial Banks (Procredit, Uni Bank, NLB Bank) show redlines to provide resources for EE and RES Projects**
- ✓ **Guarantee Scheme established by USAID and two Commercial Banks for EE projects are operative and available for municipalities,**
- ✓ **Soft Loan in amount of 600 Mio\$ from which up to 200 Mio\$ for Energy Project is recently approved by IMF and World Bank.**

FEED IN TARIFFS WITH RECENT CHANGES

Block	SMALL HPP- Monthly Quantities kWh	Feed in Tariffs Ec/kWh	Changes
I	1-1.020.000	12.00	
II	1.020.001-2.040.000	8.00	
III	2.040.001-4.200.000	6.00	
IV	4.200.001-8.400.000	5.00	
V	Above 8.400.001	4.50	
	WIND POWER PLANTS	8.90	
	Electricity generation from BIOGAS (install capacity)		
I	≤500 kW	13.00	15.00
II	□501 kW -2000 kW	11.00	13.00
	PHOTOVOLTAIC(install capacity)		
I	≤50 kW	46.00	38.00 / 30.00
II	□51 kW – 1000 kW	41.00	34.00 / 26.00
	Electricity generation from BIOMASS(install capacity)		
	≤1000 kW		11.00
	□1001 kW – 3000 kW		9.00

GOVERNMENTAL DECISION FOR MAXIMUM INSTALL CAPACITY- RES-PP

Type of power plants	Install capacity per plant	Total install capacity in RM
Small Hydro Power Plant	Up to 10 MW	unlimited
Wind Park	Up to 50 MW	150 MW
Photovoltaics	Up to 50 kW=2 MW Above 50 kW=8 MW	10 MW
CHPP	До 3 MW	10 MW
Power plant on bio gas/ bio mass	Up to 500 kW=2 MW Above 500 kW=8 MW	10 MW

POTENTIAL RES PROJECT DEVELOPERS IN AGENCY REGISTER

Type of Power Plant	Number of potential investors	Total Install Capacity (MW)
Wind Parks	9	377
Photovoltaic's	65	33.9
Small Hydro Power Plants	18	7.59
Other	1	2
TOTAL	93	420.49

CURRENT STATUS OF INVESTMENT PROJECTS-1

- ✓ **COGEL- CHPP- 30MW plus 14MW heating, 20 Mio EURO**
- ✓ **TETO- CHPP- 220 MW electricity, 120 MW heating, 160 Mio EURO**
- ✓ **Lukovo Pole- HPP- 62,00 Mio EURO- World Bank**
- ✓ **Boskov Most-install capacity 68 MW, 60,00 Mio EURO- EBRD**
- ✓ **SIETO- photovoltaic, 10.2 kW**
- ✓ **5 Ohrid-Struga-SHPP plants with total install capacity of 2,6 MW**
- ✓ **1 Dabniste SHPP with total install capacity 32 kW**
- ✓ **3 photovoltaic plants with install capacity of 110.3 KW**
- ✓ **Wind Power Plant –Bogdanci- ELEM, 45 MW**

CURRENT STATUS OF INVESTMENT PROJECTS -2

Restructured GEF Sustainable Energy Project

- ✓ **6 Municipalities are selected to receive grant funds of 1,2 Mio \$ for EE projects from GEF project,**
- ✓ **Commercial credits in amount of 5.5 Mio \$ are available for EE project from GEF Project, and**
- ✓ **Credit Scheme 50%-50% is also available trough GEF Project**

THANK YOU FOR YOUR ATTENTION



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