

The former Yugoslav Republic of Macedonia

- (1) Plan to implement Directive 2001/77/EC of the European Parliament and of the Council of 27 September 2001 on the promotion of electricity produced from renewable energy sources in the internal electricity market

- (2) Plan to implement Directive 2003/30/EC of the European Parliament and of the Council of 8 May 2003 on the promotion of the use of biofuels or other renewable fuels for transport

Plan to implement Directive 2001/77/EC of the European Parliament and of the Council of 27 September 2001 on the promotion of electricity produced from renewable energy sources in the internal electricity market

I	II	III	IV	V
No	ACTION	RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
1.	National indicative targets (Art. 3)			
a	Report on setting national indicative targets for future consumption of electricity produced from RES in terms of a percentage of electricity consumption for the next 10 years (Art. 3.2)	Contracting Parties	Not later than 1 July 2008 and every 5 years thereafter	Outline also the measures taken or planned, at national level, to achieve these national indicative targets; To set the targets, take account of the reference values in a way compatible with the Annex; Ensure compatibility of the targets with any national commitments referred to the Kyoto Protocol to the UNFCCC;
		Ministry of Economy of the Republic of Macedonia (MoE) Energy Regulatory Commission of the Republic of Macedonia (ERC) Energy Agency of the Republic of Macedonia (EARM) Macedonian Electricity Transmission		In Article 139 from the Energy Law ("Official Journal of the Republic of Macedonia" No 63/2006, issued on 23.05.2006) the following is defined: For promotion of exploitation of renewable resources the following measures should be undertaken: <ul style="list-style-type: none"> - the target percentage and year of including renewable energy resources in the energy balance; - the percent of participation and dynamic plan for realization of the target percentage of participation of renewable energy resources in the energy balance; - measures and incentives to encourage the use of biofuels in the transport sector, both in pure form and blended form; - agricultural policies to encourage the availability of biomass; - the procedures for issuing and registration of guarantees of origin for electricity produced from renewable energy resources;

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
			and System Operator (MEPSO-TSO)		<ul style="list-style-type: none"> - the procedure for certification of a preferential producer of electricity; - support mechanisms for the use of renewable energy with a duration period of at least four years; - implementation requirements; - indicators for achieved results; - raising the public awareness about the advantages of renewable energy resources exploitation; - other relevant data, and - the entities performing the activities and the delays for realization of envisaged activities. <p>The measures for utilization of the renewable energy sources shall be in further details prescribed by the minister competent for the activities that fall within the energy sector.</p>
	b	Report on an analysis of success in meeting the national indicative targets, and which indicates to what extent the measures taken are consistent with the national climate change commitment (Art. 3.3)	Contracting Parties	Not later than 1 July 2009 and thereafter every 2 years	<p>Take account, in particular, of climatic factors likely to affect the achievements of the targets;</p> <p>Contracting Parties or the competent bodies shall here also outline the measures taken to ensure the reliability of the guarantee system (Art. 5.5);</p>
			Ministry of Environment and Physical Planning (MoEPP)	2007	<p>The Republic of Macedonia ratified the Kyoto Protocol in July 2004. The National Strategy for Clean Development Mechanism for the first commitment period of the Kyoto Protocol 2008-2012 was adopted by the Government of the Republic of Macedonia on 11.02.2007. MoEPP prepared the Proposal for National set of environmental indicators for green house gases (GHG) emission and elimination which will be adopted by the Government till end of May 2007.</p>

I	II	III	IV	V
No	ACTION	RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
	c Report on conclusions of assessment to what extent (Art. 3.4): <ul style="list-style-type: none"> ▪ the Contracting Parties have made progress towards achieving their targets; and ▪ the national indicative targets are consistent with the global indicative target. 	European Commission	Not later than 1 July 2010 and thereafter every 2 years	This report shall be based on the Contracting Parties' reports 1.a and 1.b; Global indicative target: 12% of gross national energy consumption by 2010 and 22.1% indicative share of electricity produced from RES in total (European) Community electricity consumption by 2010;
2.	Support schemes (Art. 4)			
	a Application of mechanisms according to which a producer of electricity, on the basis of regulations issued by the public authorities, receives direct or indirect support and which could have the effect of restricting trade (Art. 4.1)	Contracting Parties	Not later than 1 July 2009	List and description of the mechanisms;
		Energy Regulatory Commission of the Republic of Macedonia Macedonian Electricity Transmission and System Operator	09.02.2007 May 2007	In Article 141 from the Energy Law ("Official Journal of the Republic of Macedonia" No 63/2006, issued on 23.05.2006) the following is defined: The Regulatory Commission shall establish preferential tariffs for electricity sold by preferential producers of electricity and producers of electricity from high-efficiency cogeneration facilities. Market operator is obligate to purchase the whole electricity generated from the eligible customers of electricity and from the generation of electricity from high-efficiency co-generator. The cost for this kind of purchase the Market Operator will invoice this

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
			(MEPSO-TSO) Energy Agency of the Republic of Macedonia		<p>cost to the participant in the market of electricity in accordance with the tariffs established by ERC.</p> <p>A preferential producer of electricity and a high-efficiency co-generator shall be required to present to the Regulatory Commission a document from the EARM certifying that it uses renewable resources or that it uses high-efficiency cogeneration processes in order to receive preferential tariffs for its production.</p> <p>The Regulatory Commission may require the electricity transmission system operator, when dispatching generation facilities, to give priority to generation facilities producing electricity from renewable resources and from high-efficiency co-generative installations.</p> <p>The Energy Regulatory Commission adopted the Regulation on the method and procedure for establishing and approving the use of feed-in tariffs for purchase of electricity generated by small hydro power plants (SHPP), on 9.02.2007. This Regulation shall regulate the method of establishing the feed-in tariffs for electricity energy generated in small hydro power plants which have qualified to operate under the feed-in tariff system (hereinafter: feed-in tariffs), as well as the procedure for approving the use of feed-in tariffs.</p> <p>Rulebook on the manner and procedure for determination and approving of the use of privileged tariff for sale of electricity generated by wind power plants will be adopted by The Energy Regulatory Commission until end of May 2007. This Rulebook shall regulate the manner of determination of privileged tariff for electricity generated by wind power plants which have obtained the position of privileged generator (herein after privileged tariff), as well as the procedure for authorization to use the privileged tariff.</p>
b	Report on experience gained with the application and coexistence of the different mechanisms under 2.a (Art. 4.2)		European Commission	Not later than 1 July 2011	<p>Evaluation of the application of mechanisms used in Contracting Parties under 2.a (Art. 4.1);</p> <p>The report shall assess the success, including cost-effectiveness, of the support systems in promoting the consumption of electricity</p>

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
					<p>produced from RES in conformity with the national indicative targets;</p> <p>The report shall, if necessary be accompanied by a proposal for a (European) Community framework with regard to support schemes for electricity produced from RES;</p>
3.	Guarantee of origin of electricity produced from RES (Art. 5)				
a	Designation of one or more competent bodies, independent of generation and distribution activities, to supervise the issue of guarantees of origin (Art. 5.2)		Contracting Parties	Not later than 1 July 2009	<p>Ensure that the origin of electricity produced from RES can be guaranteed as such according to criteria laid down by each Contracting Party (Art. 5.1);</p> <p>Guarantees of origin should be mutually recognised by the Contracting Parties, exclusively as proof of the following elements (Art. 5.4):</p> <ul style="list-style-type: none"> ▪ A guarantee of origin shall (Art. 5.3) specify the energy source from which the electricity was produced, specifying the dates and places of production, and in the case of hydroelectric installations, indicate the capacity; and

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
			Energy Agency of the Republic of Macedonia	September 2007	<ul style="list-style-type: none"> ▪ A guarantee of origin shall (Art. 5.3) serve to enable producers of electricity from RES to demonstrate that the electricity they sell is produced from RES; <p>In Article 140 from the Energy Law (“Official Journal of the Republic of Macedonia” No 63/2006, issued on 23.05.2006) the following is defined:</p> <p>Energy Agency of the Republic of Macedonia (EARM) issues and maintains a registry of guarantees of origin for electricity produced from renewable energy resources and from high-efficiency cogeneration facilities in the Republic of Macedonia and guarantees of origin associated with imports of electricity issued by other authorized national bodies.</p> <p>A guarantee of origin for electricity produced from renewable energy resources shall specify the energy source from which the electricity is produced, the dates and places of production, the quantity of electricity produced, and in case of hydroelectric installations, indicate the capacity.</p> <p>A guarantee of origin for electricity produced from high-efficiency co-generative installations shall specify the net calorific value of the fuel used, the dates and places of production, the use of the heat generated, the quantity of electricity produced, and the primary energy savings calculated in accordance with the calculation methodology determined by the minister in charge of energy.</p> <p>EARM certifies that an electricity producer, in the Republic of Macedonia is using renewable energy resources in compliance with the rule from article 139 from this law. The certification entitles the electricity producer to qualify as a preferential producer of electricity for the volume of electricity produced by renewable resources and to receive guarantees of origin for the electricity so produced.</p> <p>EARM certifies that a co-generative installation is using high-efficiency</p>

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
					<p>cogeneration processes in compliance with the Technical specifications. The certification entitles the cogeneration producer to receive preferential tariffs for electricity produced from high-efficiency cogeneration facilities and to receive guarantees of origin for the electricity so produced</p> <p>Rulebook for issuing guarantees of origin for electricity produced from renewable energy sources will be adopted by the Energy Agency of the Republic of Macedonia.</p>
4.	Administrative procedures (Art. 6)				
	a	Evaluate the existing legislative and regulatory framework with regard to authorisation procedures (Art. 6.1)	Contracting Parties or the competent bodies appointed by Contracting Parties	Not later than 1 July 2009	<p>Evaluation is to be done with a view to:</p> <ul style="list-style-type: none"> ▪ Reducing the regulatory and non-regulatory barriers; ▪ Streamlining and expediting procedures; and ▪ Ensuring that the rules are objective, transparent and non-discriminatory, and take fully into account particularities of the various RES technologies;
			Energy Agency of the Republic of Macedonia	September 2007	<p>EARM certifies that an electricity producer, in the Republic of Macedonia is using renewable energy resources in compliance with the rule from the Energy Law. The certification entitles the electricity producer to qualify as a preferential producer of electricity for the volume of electricity produced by renewable resources and to receive guarantees of origin for the electricity so produced.</p> <p>Rulebook for issuing guarantees of origin for electricity produced from renewable energy sources will be adopted by the Energy Agency of the Republic of Macedonia.</p>

I	II		III	IV	V
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	b	Report on the evaluation of the existing legislative and regulatory framework (under 4.a) indicating where appropriate the actions taken (Art. 6.2)	Contracting Parties	Not later than 1 July 2009	<p>The purpose of this report (Art. 6.2) is to provide and indication of the stage reached specifically in a) coordination between the different administration bodies as regards deadlines, reception and treatment of applications for authorisation; b) drawing up possible guidelines for the activities and the feasibility of a fast-track planning procedure for producers of electricity from RES; c) the designation of authorities to act as mediators in disputes between authorities responsible for issuing authorisations and applicants for authorisations;</p> <p>In this report on the evaluation of the existing legislative and regulatory framework (under 4.b), consider also the measures to be taken to facilitate access to the grid system of electricity produced from RES (Art. 7.7)</p>
			Ministry of Economy of the Republic of Macedonia	2008	<p>The basic legislation for all activities relating to RES is Chapter XII “Energy Efficiency and Renewable Energy Sources” in Energy Law.</p> <p>In sub-chapter for Renewable Energy it is defined that the policy for renewable energy sources exploitation is established within the Strategy for renewable energy sources exploitation which have to be adopted by the Government on the proposal of the Ministry of Economy. Upon the proposal of the Ministry, the Government of the Republic of Macedonia adopts a Programme for the implementation of the Strategy for renewable energy resources exploitation. The Programme defines the measures renewable energy resources exploitation and contains: measures, financial resources, implementation requirements, indicators for achieved results, technical regulations and national standards for energy efficiency other relevant data, and the entities performing the activities and the delays for realization of envisaged activities. The Programme shall be adopted for a period of at least 5 years. Ministry prepares two-year report for Programme realization from paragraph and for the result achievements about energy efficiency, and submit to the Government of the Republic of Macedonia and published on the WEB site.</p> <p>The measures for utilization of the renewable energy sources shall be</p>

I	II	III	IV	V
No	ACTION	RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
	<p>b Put in place a legal framework or require TSOs and DSOs to set up and publish their standard rules relating to the bearing of costs of the technical adaptations, such as grid connections and grid reinforcements (Art. 7.2)</p>	Contracting Parties	Not later than 1 July 2009	<p>Technical adaptations, such as grid connections and grid reinforcements, that are necessary in order to integrate new producers feeding electricity produced from RES into the interconnected grid;</p> <p>These rules shall be based on criteria taking particular account of all the costs and benefits associated with the connection of these producers to the grid;</p> <p>These rules may provide for different types of connection;</p> <p>Where appropriate, TSOs and DSOs may be required to bear, in full or in part, the costs referred in Art. 7.2 (Art. 7.3);</p> <p>Require TSOs and DSOs to provide any new producer wishing to be connected with a comprehensive and detailed estimate of the costs associated with the connection (Art. 7.4)</p>
	<p>c Put into place a legal framework or require TSOs and DSOs to set up and publish their standard rules relating to the sharing of costs of system installations, such as grid connections and reinforcements, between all producers benefiting from them (Art. 7.5)</p>	Contracting Parties	Not later than 1 July 2009	The sharing shall be enforced by a mechanism based on criteria taking into account the benefits which initially and subsequently connected producers as well as TSOs and DSOs derive from the connections;

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
	d	Ensure that the charging of transmission and distribution fees does not discriminate against electricity from RES (Art. 7.6)	Contracting Parties	Not later than 1 July 2009	Including in particular electricity from RES produced in peripheral regions, such as island regions and regions of low population; Where appropriate, put in place a legal framework or require TSOs and DSOs to ensure that fees charged for the transmission and distribution of electricity from plants using RES reflect realisable cost benefits resulting from the plant's connection to the network (Art. 7.6)

I	II	III	IV	V
No	ACTION	RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
6.	Summary report (Art. 8)			
a	Summary report on the implementation of the Directive 2001/77/EC (Art. 8)	European Commission	Not later than 1 July 2011 and thereafter every five years	<p>On the basis of the report on analysis of success (under 1.b) and the report on the existing legislative and regulatory framework (under 4.b);</p> <p>After consulted the Contracting Parties, the European Commission shall in this report also consider the form and methods that Contracting Parties could follow in order to guarantee the origin of electricity produced from RES (Art. 5.6);</p> <p>The European Commission shall in this report and on the basis of the Contracting Parties' reports on the evaluation (under 4.b) also assess best practices with a view to achieving the objectives referred to in Art. 6.1 (Art. 6.3);</p> <p>If appropriate, the Commission shall submit with the summary report further proposals;</p>

Plan to implement Directive 2003/30/EC of the European Parliament and of the Council of 8 May 2003 on the promotion of the use of biofuels or other renewable fuels for transport

I	II	III	IV	V
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1.	National indicative targets (Art. 3)			
a	Set national indicative target and ensure that a minimum proportion of biofuels and other renewable fuels is placed on the market (Art. 3.1.a)	Contracting Parties	Not later than 1 July 2008	<p>A reference value for these targets shall be 2%, calculated on the basis of energy content, of all petrol and diesel for transport purposes placed on the market by 31 December 2005 (Art. 3.1.b.i);</p> <p>A reference value for these targets shall be 5.75%, calculated on the basis of energy content, of all petrol and diesel for transport purposes placed on the market by 31 December 2010 (Art. 3.1.b.ii);</p>
		Ministry of Economy	Done	<p>In direction to reach better ecological, economical and energetic effects for the needs of transportation in Republic of Macedonia, the Rulebook for the quality of liquid fuels was adopted in November 2006.</p> <p>Within this Rulebook EU Directive 2003/30/EC for the promotion of biofuels and others renewables fuels for the transportation in the national legislation was transposed.</p> <p>In accordance to the Directive 2003/30/EC the biofuels can be used clean and blended with fossil fuels. The Rulebook regulate including of the biofuels such as (D E III) and benzin BMB 95 and BMB 98.</p> <ul style="list-style-type: none"> • Rulebook for quality of the liquid fuels printed in Official Gazette No.123 dated 27.11.2006 • This Rulebook is in force the next day of the day of announcement in the Official Gazette of the Republic of Macedonia and apply in practice by 01.07.2007 (art 6) • The use of biofuels in all petrol and diesel for transport purposes

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
					should be at least 5,7% till 2010 art (11-a)
	b	Monitor the effect of the use of biofuels in diesel blends above 5% by non-adapted vehicles (Art. 3.3)	Contracting Parties	Not later than 1 July 2008	Where appropriate, take measures to ensure compliance with the relevant (European) Community legislation on emission standards (Art. 3.3); In the measures, consider the overall climate and environmental balance of the various types of biofuels and other renewable fuels (Art. 3.4);
			Ministry of Economy	September 2007	Art. 4 of the actual Rulebook states: "The max. content of biodiesel in the D-E III could be 5% (v/v) Art. 3 of the actual Rulebook states: "The max. content of bioethanol in the the fuels BMB 95 and BMB 98 could be 15% (v/v) All the issues related to art.3 (3); art.3(4); 3(5) from the Directive 2003/30/EC will be analysed and determined by the project "Analysis of the implementation of the new EU standards for the quality of the liquid fuels" and implemented into the new "Rulebook for the quality of the liquid fuels" in September 2007.
	c	Ensure that information is given to the public on the availability of biofuels and other renewable fuels (Art. 3.5):	Contracting Parties	Not later than 1 July 2008	For percentages of biofuels, blended in mineral oil derivatives, exceeding the limit value of 5% of fatty acid methyl ester (FAME) or of 5% of bioethanol, a specific labelling at the sales points shall be imposed (Art. 3.5);
				September 2007	This issue will be solved by project "Analysis of the implementation of the new EU standards for the quality of the liquid fuels" and implemented into the new "Rulebook for the quality of the liquid fuels" in September 2007.

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
					<p>The Analysis will give answers such as:</p> <ul style="list-style-type: none"> ▪ Estimation of the quantity needs ▪ Necessary investment and time frame, adapt of the technologies for production ▪ Opportunities for use clean bio fuels (100%) for the needs of transportation ▪ Quality control of biofuels and set up with equipment of State Inspectorate and set up a independent laboratory for the quality of the liquid fuels.
2.	Reporting requirements (Art. 4)				
	a	<p>Report on (Art. 4.1):</p> <ul style="list-style-type: none"> ▪ The measures taken to promote the use of biofuels or other renewable fuels to replace diesel or petrol for transport purposes; ▪ The national resources allocated to the production of biomass for energy uses other than transport; and ▪ The total sales of transport fuel and the share of biofuels, pure or blended, and other renewable fuels placed on the market for the preceding year. 	Contracting Parties	Not later than 1 July 2008 and each year thereafter	<p>In the reports:</p> <ul style="list-style-type: none"> ▪ indicate the level of the national indicative targets as per phases; ▪ motivate differentiation of the national targets as compared to the reference values referred to in Art. 3.1.b.
			Ministry of Economy		<p>According the Rulebook for quality of the liquid fuels printed in Official Gazette No.123 dated 27.11.2006, art 11-b states: The supplier (producer, importer, or trader) of biofuel keeps file for the quantities of the biofuels on the domestic market. Data file have to be delivered to the Ministry responsible for the energy resources at latest on 31.01 of the actual year for the previous year, filled in a standardized form "TBG-2".</p> <p>Laboratory for testing the quality of biofuels is set up (with private company "Makpetrol AD - Skopje") and equipped. Procedure for</p>

I	II		III	IV	V
No	ACTION		RESPONSIBLE AUTHORITY	COMPLETION TIMEFRAME	REFERENCE DOCUMENTS, COMMENTS AND STATUS OF ACTION
					<p>accreditation is in progress, expected to be completed in July 2007.</p> <p>There are several cases of interest for building capacities for production of biofuel (biodiesel) in Macedonia, expecting the accreditation procedure for the laboratory.</p>
	b	Report on the progress made in the use of biofuels and other renewable fuels in the Contracting Parties (Art. 4.2)	European Commission	Not later than 1 July 2010 and every 2 years thereafter	<p>The report shall cover at least the items noted in Art. 4.2;</p> <p>On the basis of the report, where appropriate, the Commission shall submit proposals on the adaptation of the system of targets (Art. 4.2);</p> <p>If this report concludes that the indicative targets are not likely to be achieved for reasons that are unjustified and/or do not relate to new scientific evidence, these proposals shall address national targets, including possible mandatory targets, in the appropriate form;</p>