



Renewable energy policy database and support – RES-LEGAL EUROPE

National profile: Bosnia and Herzegovina (The Republic of Srpska)

Client: DG Energy

Contact author: Ivana Naydenova, pt6@eclareon.com

Berlin, 4 March 2016





eclareon GmbH

Giesebrechtstr. 20
10629 Berlin
Germany
Phone: +49 30 88 66 7400
Fax: +49 30 88 66 74010
www.eclareon.com



Öko-Institut

P.O. Box 1771
79017 Freiburg
Germany
Phone : +49 761 45295-30
Fax: +49 761 45295-88
www.oeko.de



ECN

P.O. Box 1
1755 ZG Petten
The Netherlands
Phone : +31-224-564450
Fax: +31-224-568486
www.ecn.nl





TABLE OF CONTENTS

BOSNIA AND HERZEGOVINA (THE REPUBLIC OF SRPSKA) – SUMMARY	4
RES-E SUPPORT SCHEMES	5
<i>Summary of support schemes</i>	<i>5</i>
<i>Basic information on legal sources</i>	<i>6</i>
<i>Further information.....</i>	<i>14</i>
<i>Support schemes</i>	<i>15</i>
RES-E GRID ISSUES	25
<i>Overview</i>	<i>25</i>
<i>Basic information on legal sources</i>	<i>26</i>
<i>Further information.....</i>	<i>32</i>
<i>Grid issues</i>	<i>34</i>



Bosnia and Herzegovina (The Republic of Srpska) – summary

Since the Dayton Agreement from 1995 the country is largely decentralized and is constituted of the two entities “Federation of Bosnia and Hercegovina” (Federacija Bosne i Hercegovine) and the “Republika Srpska” and District of Brčko. The promotion of renewable energy sources is regulated on the entity level.

In the Republika Srpska, the production of electricity from renewable energy sources is mainly promoted through a feed-in tariff.

Renewable energy matters are regulated in special provisions, however the connection to the grid is basically regulated by the general and secondary legislation. Electricity from renewable energy sources is given priority.



RES-E support schemes

Summary of support schemes

Overview	<i>The Republic of Srpska promotes the power production from renewable energy sources mainly through a feed-in tariff.</i>
Summary of support system	<i>The Support Scheme Operator is statutorily obliged to purchase electricity from renewable energy sources at an incentive price.</i>
Technologies	<i>In general all technologies for the power production from renewable energies are eligible.</i>
Statutory provisions	<ul style="list-style-type: none">• Energy Law RS• Electricity Law RS• RES Law RS• RES Promotion Rulebook• Support Scheme Operation Rules• Tariff Amount Decision• Incentive Fee Amount Decision• RES Action Plan



Basic information on legal sources

Name of legal source (original language)	Zakon o energetici	Zakon o električnoj energiji	Zakon o obnovljivim izvorima energije i efikasnoj kogeneraciji
Full name	Zakon o energetici ("Službeni glasnik Republike Srpske" broj 49/09)	Zakon o električnoj energiji („Službeni glasnik Republike Srpske“ brojevi 8/08 - prečišćeni tekst, 34/09, 92/09 i 01/11)	Zakon o obnovljivim izvorima energije i efikasnoj kogeneraciji ("Službeni glasnik RS", broj 39/13 i 108/13)
Name (English)	Energy Law (Official Gazette of the Republic of Srpska, number 49/09)	Electricity Law (Official Gazette of the Republic of Srpska, number 8/08 – cleaned text, 34/09, 92/09 and 01/11)	Law on renewable energy sources and efficient co-generation (Official Gazette of RS, number 39/13 and 108/13)
Abbreviated form	Energy Law RS	Electricity Law RS	RES Law RS
Entry into force	01.09.2009.		23.05.2013.
Last amended on		13.01.2011.	
Future amendments			
Purpose	This law regulates the basis of the energy policy of the Republic of Srpska, such as the adoption and execution of the energy development strategy, basic	This law forms the basis for the regulatory framework of the electricity market in the Republic of Srpska.	The purpose of this law is to promote the use of renewable energy sources for the production of electricity and of energy for heating and cooling. In addition, it promotes the use of



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



	questions of the regulation, energy efficiency measures, the performance of energy activities and the use of renewable energy sources.		renewable energy in the transport sector. It also provides a regulatory framework both in general and in particular for the technical infrastructure for renewable energy sources and efficient cogeneration.
Relevance for renewable energy			
Link to full text of legal source (original language)	http://www.reers.ba/sites/default/files/Zakon_o_energetici_lat.pdf	http://www.reers.ba/sites/default/files/Zakon_o_el_en_precisceni_tekst_lat.pdf	http://www.apeor.com/images/Zakon_OIE_39_13.pdf
Link to full text of legal source (English)	http://www.reers.ba/en/node/273	http://www.reers.ba/en/node/273	http://www.reers.ba/en/node/273



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



Name of legal source (original language)	Akcioni plan Republike Srpske za korišćenje obnovljivih izvora energije	Правилник о подстицању производње електричне енергије из обновљивих извора и у ефикасној когенерацији
Full name		
Name (English)	The Action Plan of the Republic of Srpska for the use of renewable energy sources	Rulebook on stimulating generation of Electricity from Renewable Sources and in efficient Co-generation
Abbreviated form	The RES Action Plan	RES Promotion Rulebook
Entry into force	08.06.2014	
Last amended on		
Future amendments		
Purpose	It contains the Republic of Srpska goals for a share of energy from RES consumed in transport, electricity and cooling and heating in 2010 and measures for implementation of these goals as well as the estimates of total contribution of RES.	This Rulebook regulates in detail the conditions for acquiring the right to support, the metering and payment of electricity from renewable sources and the criteria for the conclusion of the power purchase contract at an incentive price. It also lays down guidelines of the calculation of the special fee for the promotion of renewable energies.



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



Relevance for renewable energy		
<p>Link to full text of legal source (original language)</p>	<p>http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Documents/%D0%B0%D0%BA%D1%86%D0%B8%D0%BE%D0%BD%D0%B8%20%D0%BF%D0%BB%D0%B0%D0%BD%20%D0%BE%D0%B1%D0%BD%D0%BE%D0%B2%D1%99%D0%B8%D0%B2%D0%B8%20%D0%B8%D0%B7%D0%B2%D0%BE%D1%80%D0%B8%20%D0%B5%D0%BD%D0%B5%D1%80%D0%B3%D0%B8%D1%98%D0%B5.pdf</p>	<p>http://www.apeor.com/images/Pravilnik_o_podsticanju_okt2013.pdf</p> <p>http://www.reers.ba/sites/default/files/Pravilnik_o_podsticanju_okt2013.pdf</p> <p>and</p> <p>http://www.reers.ba/sites/default/files/Pravilnik_izmjene_Pravilnika_o_podsticanju_okt2014.pdf</p>
<p>Link to full text of legal source (English)</p>		





Name of legal source (original language)	Pravila rada za sprovođenje sistema podsticanja	Odluka o visini garantovnih otkupnih cijena i premija za električnu energiju proizvedenu iz obnovljivih izvora ili u efikasnoj kogeneraciji	Odluka o visini naknade za podsticanje proizvodnje električne energije iz obnovljivih izvora i u efikasnoj kogeneraciji
Full name			
Name (English)	Operation Rules for the Support Scheme	Decision on the amount of the guaranteed prices and premium prices for electricity produced from renewable sources and efficient cogeneration (Official Gazette of RS No. 88/14)	Decision on the amount of the incentive fee for the promotion of the production of electricity from renewable sources and efficient co-generation
Abbreviated form	Support Scheme Operation Rules	Tariff Amount Decision	Incentive Fee Amount Decision
Entry into force	26.01.2012	04.09.2014	20.11.2013
Last amended on			04.11.2015
Future amendments			
Purpose	These Rules prescribe the functioning of the Support Scheme Operator and outline the rights and duties of the parties involved in	This Decision determines the amount of the guaranteed price and the premium tariff for plant operators, who produced electricity	This Decision determines the amount of the incentive fee, that the final consumers pay for the promotion of the production of



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



	the implementation of the support scheme for the use of renewable energy sources for the electricity production.	from renewable energy sources or efficient cogeneration and obtained a right to support.	electricity from renewable energies.
Relevance for renewable energy			
Link to full text of legal source (original language)	http://www.apeor.com/images/pravila_rada_konacna.pdf	http://www.investsrpska.net/files/Odluka-o-visini-garantovanih-otkupnih-cijena.pdf	http://www.reers.ba/node/3657
Link to full text of legal source (English)			



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



Name of legal source (original language)	Opšti uslovi za isporuku i snabdijevanje električnom energijom	Pravilnik o izdavanju sertifikata za proizvodno postrojenje koje proizvodi električnu energiju iz obnovljivih izvora energije ili u efikasnoj kogeneraciji
Full name		Pravilnik o izdavanju sertifikata za proizvodno postrojenje koje proizvodi električnu energiju iz obnovljivih izvora energije ili u efikasnoj kogeneraciji („Službeni glasnik Republike Srpske“ broj 112/13)
Name (English)	General Conditions for the Delivery and the Supply of Electricity	Rulebook on the Issuance of Certificates for power plants producing electricity from renewable sources or efficient cogeneration (Official Gazette of RS, number 112/13)
Abbreviated form	General Electricity Supply Conditions	RES Certificate Rulebook
Entry into force	01.01.2015	27.12.2013
Last amended on		
Future amendments		
Purpose	The general conditions prescribe general technical requirements for the delivery and	This Rulebook prescribes the content, the criteria and the procedure for the issuance of



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



	the supply of electricity and regulate the economic relations between the producer, the supplier, the system operator and the final consumer.	the Certificates for power plants using renewable energy sources. Furthermore it entails provisions on the specific content of the Certificates, the prolongation of the validity and the devaluation.
Relevance for renewable energy		
Link to full text of legal source (original language)	http://www.ferk.ba/_sr/images/stories/2014/opci_uvjeti_sr.pdf	http://www.reers.ba/sites/default/files/Pravilnik_o_izdavanju_sertifikata.pdf
Link to full text of legal source (English)		http://www.reers.ba/sites/default/files/Rulebook_Certificates_GenerationFacility_October_2013.pdf

**Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Ministarstvo Industrije, Energije i Rudarstva - Ministry of Industry, Energy and Mining	http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Pages/Default.aspx		+387 51/33 95 81	mier@mier.vladars.net
Regulatorna Komisija za Energetiku Republike Srpske (RERS) – The Regulatory Commission for Energy of the Republic of Srpska	http://www.reers.ba/		+387 59/27 24 00	regulator@reers.ba
Državna Regulatorna Komisija za Električnu Energiju (DERK) – State Electricity Regulatory Commission (SERC)	http://www.derk.ba/en		+387 35/30 20 60	info@derk.ba
Elektroprivreda Republike Srpske – Power Utility of the Republic of Srpska	http://www.ers.ba/	Ivan Milinković	+387 59/27 71 97	



Support schemes

Feed-in tariff

<p>Abbreviated form of legal source(s)</p>	<ul style="list-style-type: none"> • Energy Law RS • Electricity Law RS • RES Law RS • RES Promotion Rulebook • Support Scheme Operation Rules • Tariff Amount Decision • Incentive Fee Amount Decision • RES Action Plan 	
<p>Country-specific support system</p>	<p>In the Republic of Srpska, the main support schemes for the production of electricity from renewable energy sources are feed-in tariff (“Право на гарантовану откупну цијену”, Art. 20 § 1 lit. r RES Law RS) and premium, regulated by the Energy Law RS, Electricity Law RS and above all the RES Law RS, special Decrees and Rulebooks.</p> <p>Firstly, the plant operator needs to obtain a RES Certificate and a Decision on the Right to Support by applying to the Energy Regulator (“Regulatorna komisija za energetiku Republike Srpske” Art. 12 Electricity Law). Hence, the Support Scheme Operator („Operator Sistema Podsticaja“, Art. 13 RES Law RS) concludes a power purchase agreement at a guaranteed price („Ugovor o obaveznom otkupu po garantovanoj cijeni”).</p> <p>The amount of the feed-in tariff is determined in the Decision on the amount of the guaranteed prices and premium prices for electricity produced from renewable sources and efficient cogeneration and depends on the type of technology and the capacity of the power plant. The funds are financed by an incentive fee that the final consumer is obliged to pay on the amount of consumed electricity (Art. 30 RES Law RS).</p>	
<p>Promoted technologies</p>	<p>General information</p>	<p>In general, all technologies are eligible; however, some limitations with regard to the installed power apply. The combined total installed capacity of the facility owner cannot be higher than 30 MW (Art. 6 § 1</p>



		<p>lit. 6 RES Promotion Rulebook).</p> <p>If a power plant was reconstructed, the plant operator has only the right to support for the share of capacity that has increased thanks to the reconstruction in comparison with the former total capacity of the facility (Art. 25 RES Law RS).</p> <p>A support cannot be received, if the investor installed used equipment (such as turbines, generators, solar panels) in the facility (Art. 21 § 3 RES Law RS in conjunction with Art. 6 § 2 and 3 RES Promotion Rulebook). Moreover, the power plant must not be older than 15 years (Art. 17 § 1 RES Promotion Rulebook).</p>
	Wind energy	Eligible up to a capacity of 10 MW (Art. 21 § 1 lit. a Nr. 2 RES Law RS).
	Solar energy	Eligible up to a capacity of 1 MW (Art. 21 § 1 lit. a Nr. 3 RES Law RS).
	Geothermal energy	Eligible up to a capacity of 1 MW (Art. 21 § 1 lit. a Nr. 4 RES Law RS).
	Biogas	Eligible up to a capacity of 1 MW (Art. 21 § 1 lit. a Nr. 6 RES Law RS).
	Hydro-power	Eligible up to a capacity of 10 MW (Art. 21 § 1 lit. a Nr. 1 RES Law RS).
	Biomass	Eligible up to a capacity of 10 MW (Art. 21 § 1 lit. a Nr. 5 RES Law RS).
Amount	General information	<p>The amount of the feed-in tariff is determined by the Energy Regulator in Nr. II.1 of the Decision on the amount of the guaranteed prices and premium prices for electricity produced from renewable sources and efficient cogeneration (Art. 23 § 1 RES Promotion Rulebook).</p> <p>The feed-in tariff can be reduced, if the plant operator received state aids during the investment period</p>



		for the construction of the facility (Art. 20 § 3 and 4 RES Law RS).
	Wind energy	<p>Feed-in tariff</p> <ul style="list-style-type: none"> Up to 10 MW: BAM 0.1652 (approx. €ct 8.45) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Premium</p> <ul style="list-style-type: none"> Up to 10 MW: BAM 0.0823 (approx. €ct 4.21) per kWh (Art. 2 para.1 Tariff Amount Decision)
	Solar energy	<p>Feed-in tariff for the period 04.09.2014–30.06.2015</p> <p>Residential systems:</p> <ul style="list-style-type: none"> Up to 50 kW: BAM 0.3398 (approx. €ct 17.37) per kWh 50 - 250 kW: BAM 0.2947 (approx. €ct 15.06) per kWh 250 kW - 1 MW: BAM 0.2358 (approx. €ct 12.05) per kWh <p>Groundmounted systems:</p> <ul style="list-style-type: none"> Up to 250 kW: BAM 0.2735 (approx. €ct 13.98) per kWh 250 kW - 1 MW: BAM 0.2181 (approx. €ct 11.11) per kWh <p>Premium for the period 04.09.2014–30.06.2015</p> <p>Residential systems:</p> <ul style="list-style-type: none"> Up to 50 kW: BAM 0.2569 (approx. €ct 13.13) per kWh (Art. 2 para.1 Tariff Amount Decision) 50 - 250 kW: BAM 0.2118 (approx. €ct 10.83) per kWh (Art. 2 para.1 Tariff Amount Decision) 250 kW - 1 MW: BAM 0.1529 (approx. €ct 7.82) per kWh (Art. 2 para.1 Tariff Amount Decision)



		<p>Groundmounted systems:</p> <ul style="list-style-type: none">• Up to 250 kW: BAM 0.1906 (approx. €ct 9.74) per kWh (Art. 2 para.1 Tariff Amount Decision)• 250 kW - 1 MW: BAM 0.1352 (approx. €ct 6.91) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Feed-in tariff from 1 July 2015</p> <p>Residential systems:</p> <ul style="list-style-type: none">• Up to 50 kW: BAM 0.3198 (approx. €ct 16.35) per kWh (Art. 2 para.1 Tariff Amount Decision)• 50 - 250 kW: BAM 0.2766 (approx. €ct 14.14) per kWh (Art. 2 para.1 Tariff Amount Decision)• 250 kW - 1 MW: BAM 0.2207 (approx. €ct 12.28) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Groundmounted systems:</p> <ul style="list-style-type: none">• Up to 250 kW: BAM 0.2566 (approx. €ct 13.12) per kWh (Art. 2 para.1 Tariff Amount Decision)• 250 kW - 1 MW: BAM 0.2042 (approx. €ct 10.46) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Premium from 1 July 2015</p> <p>Residential systems:</p> <ul style="list-style-type: none">• Up to 50 kW: BAM 0.2369 (approx. €ct 12.11) per kWh (Art. 2 para.1 Tariff Amount Decision)• 50 - 250 kW: BAM 0.1937 (approx. €ct 9.90) per kWh (Art. 2 para.1 Tariff Amount Decision)• 250 kW - 1 MW: BAM 0.1378 (approx. €ct 7.04) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Groundmounted systems:</p> <ul style="list-style-type: none">• Up to 250 kW: BAM 0.1737 (approx. €ct 8.88) per kWh (Art. 2 para.1 Tariff Amount Decision)• 250 kW - 1 MW: BAM 0.1213 (approx. €ct 6.20) per kWh (Art. 2 para.1 Tariff Amount Decision)
--	--	---



	Geothermal energy	Up to 10 MW: BAM 0.2146 (approx. €ct 10.97) per kWh (Art. 2 para.1 Tariff Amount Decision)
	Biogas	<p>For agricultural biogas</p> <p>Feed-in tariff</p> <ul style="list-style-type: none"> • up to 1 MW: BAM 0.2402 (approx. €ct 12.28) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Premium</p> <ul style="list-style-type: none"> • up to 1 MW: BAM 0.1573 (approx. €ct 8.04) per kWh (Art. 2 para.1 Tariff Amount Decision)
	Hydro-power	<p>Feed-in tariff</p> <ul style="list-style-type: none"> • Up to 1 MW: BAM 0.1541 (approx. €ct 7.87) per kWh (Art. 2 para.1 Tariff Amount Decision) • 1 - 5 MW: BAM 0.1327 (approx. €ct 6.78) per kWh (Art. 2 para.1 Tariff Amount Decision) • 5 - 10 MW: BAM 0.1245 (approx. €ct 6.36) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Premium</p> <ul style="list-style-type: none"> • Up to 1 MW: BAM 0.0712 (approx. €ct 3.63) per kWh (Art. 2 para.1 Tariff Amount Decision) • 1 - 5 MW: BAM 0.0498 (approx. €ct 2.55) per kWh (Art. 2 para.1 Tariff Amount Decision) • 5 - 10 MW: BAM 0.0416 (approx. €ct 2.13) per kWh (Art. 2 para.1 Tariff Amount Decision)
	Biomass	For solid biomass



		<p>Feed-in tariff</p> <ul style="list-style-type: none"> Up to 1 MW: BAM 0.2413 (approx. €ct 21.53) per kWh (Art. 2 para.1 Tariff Amount Decision) 1 - 10 MW: BAM 0.2261 (approx. €ct 11.55) per kWh (Art. 2 para.1 Tariff Amount Decision) <p>Premium</p> <ul style="list-style-type: none"> Up to 1 MW: BAM 0.1584 (approx. €ct 8.10) per kWh (Art. 2 para.1 Tariff Amount Decision) 1 - 10 MW: BAM 0.1432 (approx. €ct 7.32) per kWh (Art. 2 para.1 Tariff Amount Decision)
Degression	General information	In principle, a degression mechanism is not foreseen. However, the amount of the tariff can be reduced, if heavy currency fluctuations in relation to the Euro occur (Art. 26 § 5 RES Law RS).
	Wind energy	
	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Cap	The RES Action Plan foresees the promotion of 230.80 MW of installed power from renewable energy until the year 2020 and also sets annual caps up to that time. Depending on the technology the capacities are subdivided into:	



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



	<ul style="list-style-type: none"> • 112.36 MW (507.12 GWh) for hydro power plants (2015: 37.97 MW), • 4.2 MW(5GWh) for photovoltaik power plants (2015: 3.25 MW), • 100 MW (200 GWh) for wind power plants (2015: 35 MW), • 10 MW (29.56 GWh) for solid biomass (2015: 3.5 MW), • and 6.50 MW (15 GWh) for biogas (2015: 2.28 MW). <p>Although foreseen in the RES Law RS, the promotion of geothermal power plants is not intended.</p>	
Eligibility period	<p>The power purchase agreement has a maximum duration of 15 years (Art. 22 § 7 RES Promotion Rulebook).</p>	
Addressees	<p>This feed-in tariff is addressed to operators of renewable energy plants, who received a positive decision on the right to support and concluded a power purchase agreement (Art. 7 Support Scheme Operation Rules).</p> <p>The Support Scheme Operator is obliged to conclude the contract on the power purchase at the feed-in tariff price (Art. 8 Support Scheme Operation Rules).</p>	
Procedure	Procedure	RES Certificate <p>In order to be eligible for the support scheme, the plant operator first needs to obtain a „Certificate for the Electricity Production from Renewable Energy Sources“ from the Energy Regulator (“Сертификат за производно постројенје које производи електричну енергију из обновљивих извора”, Art. 8 § 1, 2 RES Law RS). This RES Certificate proves that the power plant produces electricity from renewable energy sources in a cost-efficient and environmentally not harmful manner. The validity period of the RES Certificate depends on the technology of the power plant and is outlined in Art. 9 RES Law RS. The detailed criteria for the RES Certificate are laid down in the RES Certificate Rulebook.</p>



Request for the Decision on the Right to Support („Pravo na Podsticaj“)

After that, the electricity producer needs to file a request to the Energy Regulator in order to acquire the Right to Support (Art. 27 RES Law RS). Next to the RES Certificate he needs to fulfil the requirements from Art. 14 and 15 RES Rulebook on Stimulating. The decision of the Energy Regulator is put forward to the applicant as well as the Incentive System Operator and the Grid Operator. The plant operator then also needs to submit the RES Certificate to the System Operator (Art. 14 § 7 RES Rulebook on Stimulating).

Power purchase agreement

Thereafter the plant operator applies to the SSO for the conclusion of an “Agreement on the compulsory purchase at the guaranteed price” (“ugovor o obaveznom otkupu po garantovanoj otkupnoj cijeni”). He is obliged to use the predefined form sheet and to hand in the requested documents (Art. 22 § 2 RES Promotion Rulebook). The SSO concludes the contract within 15 days after the receipt of the request (Art. 22 § 5 RES Promotion Rulebook).

Preliminary Right to Support

If the construction of the power plant is not finished yet, the plant operator has the possibility to a preliminary right to sell the electricity to a guaranteed price (“preliminarno pravo na podsticaj obaveznog otkupa po garantovanoj otkupnoj cijeni”), if he fulfills the requirements both in Art. 21 § 1 lit a, b and § 2 RES Law RS and also in Art. 27 § 3 RES Law RS. Then he can conclude a Preliminary Contract on Support (“predugovor o preliminarnom pravu na podsticaj”) with a maximum duration of 3 years (Art. 22 § 10 RES Rulebook on Stimulating). If it comes to a power plant with a capacity of over 250 kW, the plant operator is



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



		obliged to pay a deposit or a bank guarantee of 2% of the investment sum to the SSO before signing the Contract (Art. 27 § 6 RES Law RS).
	Competent authority	Incentive System Operator (Operator Sistema Podsticaja) and the Regulatory Commission for Energy of the Republic of Srpska (Regulatorna komisija za energetiku Republike Srpske, RERS)
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The feed-in tariff is funded by the incentive fee (“Naknada za podsticanje proizvodnje elektricne energije iz OIE i efikasnu kogeneraciju” – Fee for stimulating generation of electricity from RS and efficient co-generation), which is paid by the final consumer (Art. 30 RES Law RS). The fee currently (2016) amounts to 0.001 BAM/kWh = €ct 0.051 per kWh (Nr. III. Incentive Fee Amount Decision).
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	The distribution mechanism is described mainly in Art. 32 and 33 RES Rulebook on Stimulating: The Energy Regulator sets the amount of the incentive fee by adopting a decision (see above). The public supplier is obliged to buy the entire produced electricity from the Incentive System Operator and to sell it to the final consumer (Art. 15 § 2 RES Law RS). The final consumer pays the fee in relation to the total amount of the consumed energy to his supplier (Art. 15 § 5 and Art. 30 RES Law RS). The supplier, who entered into a contract on the fee for renewable sources, finally forwards the received fee funds to the



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



		Incentive System Operator.
--	--	----------------------------





RES-E grid issues

Overview

Overview of grid issues	In the Republic of Srpska, the connection of power plants from renewable energy sources to the grid is basically regulated by the general legislation on energy (Electricity Law RS, RES Law RS) and General Conditions for Delivery and Supply of Electricity - cleaned text ("Official Gazette of the Republic of Srpska" no. 90/12), Rule Book on Methodology for Determination of the Fee for Connection to the Distribution Network (Official Gazette of the Republic of Srpska" no.123/08), Rule book on conditions for connection of the facilities to the electric distribution network of the Republic of Srpska. The grid operators generally provide non-discriminatory access to the grid and renewable energy producers are given priority to connect to the grid
Connection to the grid	All operators of plants from renewable energy sources are entitled to connection, if they meet all the requirements set out in the general grid issue related provisions. The system user mainly needs to receive the Connection Conditions ("uvjeti za priključak") of the TSO or the Electroenergetic Consent of the DSO in order to conclude a Connection Contract thereupon.
Statutory provisions	<ul style="list-style-type: none"> • Electricity Law RS • RES Law RS • Transmission Grid Code • Transmission Grid Connection Rulebook • Distribution Grid Code • Distribution Grid Connection Rulebook • Connection Fee Rulebook • General Electricity Supply Conditions



Basic information on legal sources

Name of legal source (original language)	Zakon o električnoj energiji	Zakon o obnovljivim izvorima energije i efikasnoj kogeneraciji	Mrežni Kodeks
Full name	Law on Electricity Zakon o električnoj energiji („Službeni glasnik Republike Srpske“ Official Gazette of the Republic of Srpska, brojnumbersi 8/08 --prečišćeni tekst cleaned text, 34/09, 92/09 iand 01/11)	Law on renewable energy sources and efficient co-generation (Official Gazette of RS, number 39/13 and 108/13)	
Name (English)	Electricity Law	Law on renewable energy sources and efficient co-generation	Grid Code
Abbreviated form	Electricity Law RS	RES Law RS	Transmission Grid Code
Entry into force			2011
Last amended on			
Future amendments			
Purpose	This law forms the basis for the regulatory framework of the electricity market in the Republic	The purpose of this law is to promote the use of renewable energy sources for the production	The provision defines the minimum technical and operational requirements for the



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



	of Srpska.	of electricity and of energy for heating and cooling. In addition, it promotes the use of renewable energy in the transport sector. It also provides a regulatory framework both in general and in particular for the technical infrastructure for renewable energy sources and efficient cogeneration.	connection of producers and consumers, who are directly connected to the unified power system in Bosnia and Herzegovina. The Grid Code establishes the relations and operational procedures between the key players (NOSBiH, Elektroprijenos BiH, system users) in the transmission power system.
Relevance for renewable energy			
Link to full text of legal source (original language)	http://www.reers.ba/sites/default/files/Zakon_o_el_en_precisceni_tekst_lat.pdf	http://www.reers.ba/sites/default/files/Zakon_OIE_39_13.pdf	http://www.derk.ba/DocumentsPDFs/MREZNI_KODEKS_MAJ_2011.pdf
Link to full text of legal source (English)		http://www.reers.ba/en/node/273	



Name of legal source (original language)	Pravilnik o priključku	Distributivna mrežna pravila	Правилник п условима за прикључење електрана на електрдистрибутивну мрежу Републике Српске
Full name			
Name (English)	Rulebook on the grid connection	Distribution Grid Code	Rulebook on the Conditions for the Connection of power plants to the Distribution Grid in the Republic of Srpska
Abbreviated form	Transmission Grid Connection Rulebook	Distribution Grid Code	Distribution Grid Connection Rulebook
Entry into force	Rule book on Connection Rule book on Amendments to the Rule book on Connection 2 September 2010 Rule book on Amendments to the Rule book on Connection 26 July 2012	Decision on approval of the Distribution Grid rule, Number:P-43-513-30/09 22.04.2009.	Decision on giving consent to the Rule book on conditions for connection of facilities to the electric distribution network of the Republic of Srpska (Official Gazette of RS, number 64/14) became effective on 4 August 2014
Last amended on	26.07.2012		
Future amendments			



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



<p>Purpose</p>	<p>This Rulebook entails the general guidelines concerning the procedure of the connection to the transmission grid and the connection fee.</p>	<p>The Distribution Grid Code regulates the management and maintenance of the distribution grid, including the technical requirements for the connection of plant operators and for the secure operation of the distribution grid. It entails provisions on grid development, grid interconnection, the technical requirements of measuring devices, measuring methods and conditions for the supply of electric energy.</p>	<p>This Rulebook entails provisions on the fee for the connection to the distribution grid and general guidelines concerning the connection procedure.</p>
<p>Relevance for renewable energy</p>			
<p>Link to full text of legal source (original language)</p>	<p>http://www.derk.ba/DocumentsPDFs/Pravilnik%20o%20prikljucku%2023%2010%202008%20final%20-%20s.pdf</p>	<p>http://elektrobijeljina.com/lt/images/docs/Distributivna_mrezna_pravila.pdf</p>	<p>http://www.ers.ba/images/stories/obnovljeni/pravilnik_priklučenje.pdf</p>
<p>Link to full text of legal source (English)</p>			



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



Name of legal source (original language)	Rule book on Methodology for determination of the fee for connection to the distribution network	General Conditions for delivery and supply with electricity
Full name		
Name (English)	Rulebook on the Methodology for the Determination of the Fee for the Connection to the Distribution Grid	General Conditions for the Delivery and the Supply of Electricity
Abbreviated form	Connection Fee Rulebook	General Electricity Supply Conditions
Entry into force	Rule book on methodology for determination of the fee for connection to the distribution network with the Application Template (Official Gazette of RS, number 123/08) 6 January 2009	General Conditions for Delivery and supply with electricity, cleaned text (Official Gazette of RS, number 90/12) 5 October 2012
Last amended on		
Future amendments		



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



Purpose	This Rulebook describes in detail the manner of determining the fee for the connection of power plants of the system user to the distribution grid.	The General Conditions prescribe general technical requirements for the delivery and the supply of electricity and regulate the economic relations between the producer, the supplier, the system operator and the final consumer.
Relevance for renewable energy		
Link to full text of legal source (original language)	http://www.reers.ba/sites/default/files/Pravilnik_Prikljucak_na_DistMrezu_sa_Obrascem_z_ahtjeva_cir.pdf	http://www.reers.ba/sites/default/files/OU_precisceni_tekst_okt2012.pdf
Link to full text of legal source (English)	http://www.reers.ba/sites/default/files/Rule_Book_Methodology_Connection.pdf	http://www.reers.ba/sites/default/files/General_Conditions_Sept2012.pdf

**Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number	E-mail
Ministarstvo Industrije, Energije i Rudarstva - Ministry of Industry, Energy and Mining	http://www.vladars.net/sr-SP-Cyrl/Vlada/Ministarstva/mper/Pages/Default.aspx		+387 51/33 95 81	mier@mier.vladars.net
Regulatorna Komisija za Energetiku Republike Srpske (RERS) – The Regulatory Commission for Energy of the Republic of Srpska	http://www.reers.ba/		+387 59/27 24 00	regulator@reers.ba
Nezavisni Operator Sistema Bosne i Hercegovine (NOSBiH) – Independent System Operator of Bosnia and Hercegovina	http://www.nosbih.ba/		+387 33/72 04 00	info@nosbih.ba
Državna Regulatorna Komisija za Električnu Energiju (DERK) - State Electricity Regulatory	http://www.derk.ba/		+387 35/30 20 60	info@derk.ba



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



Commission (SERC)				
Elektroprijenos BiH/Электропренос БиХ Transmission Grid Operator of BiH	http://elprenosbih.ba/		+387 51/24 65 00	info@elprenosbih.ba
Elektroprivreda Republike Srpske - Power Utility of the Republic of Srpska	http://www.ers.ba/	Ivan Milinković	+387 59/27 71 97	administrator@ers.ba



Grid issues

Connection to the grid

<p>Abbreviated form of legal sources</p>	<ul style="list-style-type: none"> • Electricity Law RS • RES Law RS • Transmission Grid Code • Transmission Grid Connection Rulebook • Distribution Grid Code • Distribution Grid Connection Rulebook • Connection Fee Rulebook • General Electricity Supply Conditions 	
<p>Overview</p>	<p>The connection to the Transmission Grid follows the general procedure and provisions (Art. 22 § 4 RES Law RS). In principle, the connection of power plants from renewable energy sources is also carried out in accordance with the general provisions on the connection to the distribution grid, but the renewable energy producer can benefit from an advantaged position with regard to the process flow and costs (Art. 20 § 1 lit. a RES Law RS).</p> <p>The plant operator needs to file a request for the issuance of the Conditions of the Connection to the TSO or to obtain an electro-energetic approval by the DSO. If the system user fulfils the special conditions and general requirements (e.g. as foreseen in the Grid Code), he and the system operator conclude a Connection Contract, which outlines the rights and obligations of the contracting parties and furthermore foresees specific provisions with regard to the particular project. The Independent System Operator of Bosnia and Herzegovina (NOSBIH), Elektroprenos BiH, or distribution companies depending on the voltage levels are the responsible institutions for this procedure.</p> <p>The costs arising from the connection are completely borne by the system user and are likewise regulated by the general provisions in this area. Moreover, the plant operator is charged with a fee for the connection to the grid.</p>	
<p>Procedure</p>	<p>Process flow</p>	<p>The procedure for the connection of a facility to the transmission power grid is mainly governed by the provisions of the Electricity Law RS, the Transmission Grid Connection</p>



		<p>Rulebook and the Transmission Grid Code. The connection to the distribution grid is correspondingly regulated in the Distribution Grid Code and the Rulebook on the Conditions for the Connection of power plants to the Distribution Grid in the Republic of Srpska.</p> <p>Transmission Grid:</p> <p>The plant operator needs to file a request on the issuance of Conditions for the Connection to Elektroprijenos BiH in order to be informed about the requested documentation in the particular case (Art. 3 § 2 lit. e and 3 Transmission Grid Connection Rulebook).</p> <p>According to Art. 5 Transmission Grid Connection Rulebook the request needs to entail data on:</p> <ul style="list-style-type: none">• Name of the owner,• information on the facility (location, type),• point of time of the connection,• the yearly power and consumption of the facility,• and other information in accordance with the Grid Code. <p>The TSO also needs the construction permit and a special elaborate, whose content is defined by NOSBiH, as a basis for the decision on the conditions for the connection (see Art. 10 et seq. Transmission Grid Connection Rulebook). After receiving the decision, the system user has to inform Elektroprenos about his acceptance of the conditions (Art. 9).</p> <p>Distribution Grid:</p> <p>Primarily, the plant operator needs to file a request on the electro-energetic approval for</p>
--	--	---



		<p>the connection to the distribution grid („Захтјев за електроенергетску сагласност за прикључење објеката на дистрибутивну мрежу“) to the DSO (Nr. 3.3.1 Distribution Grid Code). This consent entails the specific technical requirements in line with the General Electricity Supply Conditions, the provisions in Art. 6 RES Promotion Rulebook and in Nr. 3.2 Distribution Grid Code and it determines the connection point of the power plant. The DSO issues the electro-energetic approval through a public decision, against which the plant operator can enter an objection to the Energy Regulator (Art. 72 § 4 Electricity Law).</p> <p>The procedure of the connection to the distribution grid is described in more detail in Chapter IX of the Distribution Grid Connection Rulebook.</p> <p>Contract on Connection (“Ugovor o Priključenju”)</p> <p>Finally, if the applicant fulfils these conditions and general requirements, he can conclude a Contract on the Connection with the system operator, who then carries out the connection (Art. 22 and 23 Transmission Grid Connection Rulebook; Nr. 3.3.4. Distribution Grid Code). The content of this contract (particular connection procedure, manner and timeline of the connection, financial issues, etc.) is described in Art. 23 § 2 Transmission Grid Connection Rulebook resp. Chapter 9.4 of the Distribution Grid Connection Rulebook. After the successful connection, the plant operator receives a declaration of the connection („deklaracija o priključku“) from the system operator.</p>
	<p>Deadlines</p>	<p>TSO: The Transmission Grid Operator “Elektroprenos BiH/Електропренос БиХ“ has to decide on the request on the issuance of the Connection Conditions not later than 90 days after the receipt of the written request (Art. 8 § 1 Transmission Grid Connection Rulebook).</p> <p>DSO: The DSO needs to adopt a decision on the request for the electro-energetic</p>



		approval within 30 days after the receipt (Art. 72 § 4 Electricity Law). System User: The complaint against the decision of the DSO needs to be submitted within 60 days after it's receipt (Art. 27 and 72 Electricity Law).
	Obligation to inform	On request of the Energy Regulator or DERK, the holders of the electro-energetic approval and suchlike permits are obliged to deliver information that is needed for the fulfilment of the obligations of these institutions in the Electricity Law (Art. 107 Electricity Law and Nr. 3.3.32. Distribution Grid Code). Plant operators with facilities of more than 500 kW power are obliged to inform the system operator of the daily work schedule (Art. 23 § 3 RES Law RS).
Priority to renewable energy (qualitative criteria)	(x) Priority to renewable energy () Non-discrimination	Facilities for the generation of electricity from renewable energy sources are given priority, if the technical conditions permit (Art. 23 § 1 RES Law RS).
Capacity limits (quantitative criteria)		
Distribution of costs	State	
	Consumers	
	Grid operator	The costs for the analysis of the possible project costs and the timeline that he is offering to an applying system user (Art. 22 § 1 RES Law RS) have to be borne by the DSO himself (Art. 22 § 1 RES Law RS).
	Plant operator	The costs for the connection and the procurement of measuring units are borne by the system user (Art. 14 § 1 Transmission Grid Connection Rulebook; Art. 22 § 2 RES Law RS).



RES-LEGAL EUROPE – National Profile Bosnia & Herzegovina



		<p>Furthermore, the power producer is obliged to pay a fee to the TSO/DSO for the connection to the grid (“Naknada za priključenje”, Art. 70 § 1 Electricity Law and Art. 14 Transmission Grid Connection Rulebook).</p> <p>The Energy Regulator determined the amount of the fee for the connection to the Distribution Grid by adopting the Methodology for the calculation of the amount of the connection fee (“Pravilnik o Metodologiji za utvrđivanje naknade za priključenje na distributivnu mrežu”, Art. 70 § 3 Electricity Law).</p>
	<p>European Union</p>	
	<p>Distribution mechanism</p>	