



Renewable energy policy database and support – RES-LEGAL EUROPE

National profile: Serbia

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TABLE OF CONTENTS

SERBIA – 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>12</i>
RES-E GRID ISSUES	23
<i>Overview</i>	<i>23</i>
<i>Basic information on legal sources</i>	<i>24</i>
<i>Further information.....</i>	<i>32</i>
<i>Grid issues</i>	<i>34</i>



RES-LEGAL EUROPE – National Profile Serbia



Serbia – summary

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

The access to the grid is regulated by the general legislation on energy and renewable energy sources are given priority.





RES-E support schemes

Summary of support schemes

Overview	The Republic of Serbia promotes the power production from renewable energy sources mainly through a feed-in tariff.
Summary of support system	The public supplier is statutorily obliged to purchase electricity from renewable energy sources at an incentive price.
Technologies	In general, all technologies for the power production from renewable energies are eligible.
Statutory provisions	<ul style="list-style-type: none">• Energy Law• Incentive Measures Decree• Privileged Power Producer Decree• Incentive Fee Decree• Decree on fee amount 2015



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Basic information on legal sources

Name of legal source (original language)	Zakon o energetici	Uredba o merama podsticaja za povlašćene proizvođače električne energije	Uredba o uslovima i postupku sticanja statusa povlašćenog proizvođača električne energije
Full name	Zakon o energetici (Službeni Glasnik RS broj 145/2014)	Uredba o merama podsticaja za povlašćene proizvođače električne energije (Službeni Glasnik RS broj 8/2013)	Uredba o uslovima i postupku sticanja statusa povlašćenog proizvođača električne energije (Službeni Glasnik RS broj 8/2013, 70/2014)
Name (English)	Energy Law	Decree on incentive measures for privileged power producers	Decree on Conditions and Procedure for Obtaining the Status of Privileged Power Producer
Abbreviated form	Energy Law	Incentive Measures Decree	Privileged Power Producer Decree
Entry into force	30.12.2014	01.01.2013	01.01.2013
Last amended on			July 2014
Future amendments			
Purpose	The Energy Law regulates basic principles of the energy policy and its method of implementation. It determines the conditions for a reliable and secure energy generation	This decree specifies the categories of privileged power producers, regulates the incentive measures and defines conditions for obtaining the right to use	This Decree specifies the conditions and the procedure for acquiring the status of privileged power producer, content of the request for acquiring the status of



RES-LEGAL EUROPE – National Profile Serbia



	and energy supply, construction of new facilities and the organising and functioning of the electricity and natural gas market. Moreover, the provision sets out the rights and obligations of the market participants and prescribes the conditions for the promotion of energy production from renewable energy sources and combined generation of electricity and heat. Finally, it entails the rights and duties of governmental bodies such as the Energy Agency of the Republic of Serbia.	these measures. It describes the method of determining of the incentive period, rights and obligations arising from these measures for the privileged power producers and other energy entities and it regulates the content of the Power Purchase Agreement and Preliminary Power Purchase Agreement.	privileged power producer, the evidence of eligibility for acquiring the status of privileged power producer, the minimum primary energy efficiency level in co-generation power plants depending on the type of primary fuel and the installed power, the maximum total installed power for wind and solar power plants, which may acquire the status of privileged producer or temporary status of privileged power producer, the obligations of privileged power producers and the methods of monitoring and control, as well as the methods of keeping the Privileged Power Producers Registry.
Relevance for renewable energy	Basic law for renewable energy sources use	One of the four decrees that regulate the field of feed-in tariff system	One of the four decrees that regulate the field of feed-in tariff system
Link to full text of legal source (original language)	http://mre.gov.rs/doc/efikasnost-izvori/ZakonOEnergetici.doc	http://www.mre.gov.rs/doc/efikasnost-izvori/B02%20Uredba%20o%20merama%20podsticaja%20za%20povlascene%20pr-oizvodjace1.pdf	http://www.mre.gov.rs/doc/efikasnost-izvori/B01%20Uredba%20o%20uslovima%20i%20postpupku%20sticanja%20statu-sa%20povlascenog%20proizvodjaca%20elektricne%20energije1.pdf



RES-LEGAL EUROPE – National Profile Serbia



Link to full text of legal source (English)	http://mre.gov.rs/doc/efikasnost-izvori/EnergyLaw.doc		
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Name of legal source (original language)	Uredba o načinu obračuna i načinu raspodele prikupljenih sredstava po osnovu naknade za podsticaj povlašćenih proizvođača el. energije	Uredba o visini posebne naknade za podsticaj u 2015. godini
Full name	Uredba o načinu obračuna i načinu raspodele prikupljenih sredstava po osnovu naknade za podsticaj povlašćenih proizvođača el. energije (Službeni Glasnik RS broj 8/2013)	Uredba o visini posebne naknade za podsticaj u 2015. godini (Službeni Glasnik RS broj 7/2014)
Name (English)	Decree on the calculation and the method of distribution of the incentive fee for privileged power producers	Decree on the amount of the special incentive fee in the year 2015
Abbreviated form	Incentive Fee Decree	Decree on fee amount 2015
Entry into force	08.01.2013	31.01.2015
Last amended on		
Future amendments		New decree expected in February 2016
Purpose	This decree prescribes the method of calculation, collection and payment of the special incentive fee for privileged power	This decree establishes the amount of the special incentive fee for privileged power producers for the year 2014.



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	producers. Moreover, it entails the manner of distribution of the collected funds.	
Relevance for renewable energy	One of the four decrees that regulate the field of feed-in tariff system.	One of the four decrees that regulate the field of feed-in tariff system.



RES-LEGAL EUROPE – National Profile Serbia



Link to full text of legal source (original language)	http://www.mre.gov.rs/doc/efikasnost-izvori/B03%20Uredba%20o%20nacinu%20o%20bracuna%20i%20nacinu%20raspodele%20pr%20ikupljenih%20sredstava%20po%20osnovu%20naknade%20za%20podsticaj%20povlasce%20proizvodjaca%20elektricne%20energije1.pdf	http://www.mre.gov.rs/doc/efikasnost-izvori/Uredba%20o%20visini%20posebne%20naknade%20u%202015.pdf
Link to full text of legal source (English)		



RES-LEGAL EUROPE – National Profile Serbia



Further information

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Ministarstvo rudarstva i energetike – Ministry of Mines and Energy	http://www.mre.gov.rs/index.php	Prof. Dr. Miloš Banjac	+381 11/36 04 411	milos.banjac@mre.gov.rs
Agencija za energetiku Republike Srbije – Energy Agency of the Republic of Serbia	http://www.aers.rs/		+381 11/32 25 780	aers@aers.rs
Elektroprivreda Srbije – Public Supplier Elektroprivreda Srbije	http://www.eps.rs/Lat/index.aspx	Vladimir Đorđević	+381 11/202 46 31	vladimir.djordjevic@eps.rs
Javno Preduzeće Elektromreža Srbije (EMS) – Public Enterprise Elektromreža Srbije	http://www.ems.rs/?language=lat		+381 11/32 39 408	kabinet@ems.rs



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Feed-in tariff

<p>Abbreviated form of legal source(s)</p>	<ul style="list-style-type: none"> • Energy Law • Incentive Measures Decree • Privileged Power Producer Decree • Incentive Fee Decree • Decree on fee amount 2015 	
<p>Country-specific <u>support system</u></p>	<p>In the Republic of Serbia, the main support scheme for the production of electricity from renewable energy sources is a feed-in tariff, regulated by the Energy Law and special Decrees.</p> <p>The plant operators need to obtain the status of a „privileged power producer“ („povlašćeni proizvođač električne energije“) in order to acquire the right to a price support for the generated electricity under the legal requirements. After having concluded a power purchase agreement with the plant operator, the public supplier Elektroprivreda Srbije is legally obliged to buy the total amount of electric energy from privileged producers at an incentive price (Art. 3 Nr. 6 Incentive Measures Decree).</p> <p>The amount of the feed-in tariff is determined in the Decree on incentive measures for privileged power producers and mainly depends on the type of RES technology.</p>	
<p>Promoted technologies</p>	<p>General information</p>	<p>In general, all technologies are eligible; however, some limitations with regards to the installed power apply.</p>
	<p>Wind energy</p>	<p>Eligible (Art. 13 § 3 Item No. 5 Incentive Measures Decree).</p>
	<p>Solar energy</p>	<p>Eligible (Art. 13 § 3 Item No. 6 Incentive Measures Decree).</p>



RES-LEGAL EUROPE – National Profile Serbia



	Geothermal energy	Eligible (Art. 13 § 3 Item No. 7 Incentive Measures Decree).
	Biogas	Eligible (Art. 13 § 3 Item No. 3 and 4 Incentive Measures Decree).
	Hydro-power	Eligible for plants with an installed power of up to 30 MW (Art. 13 § 3 Item No. 1 Incentive Measures Decree in connection with Art. 3 Nr. 1 and 2 Privileged Power Producer Decree).
	Biomass	Eligible (Art. 13 § 3 Item No. 2 and 8 Incentive Measures Decree).
Amount	General information	<p>The amount of the feed-in tariff is determined in Art. 13 § 3 Incentive Measures Decree and depends on the installed power (P). The feed-in tariffs therein may be adjusted every 3 years (Art. 18 § 1 Incentive Measures Decree).</p> <p>Due to the inflation in the Eurozone, the following feed-in tariffs underlie a regular price correction, which is conducted annually starting February 2014. The annual inflation in terms of this law is determined by the Ministry of Finance (Ministarstvo Financija) and the correction formula is laid down in Art. 13 § 5 Incentive Measures Decree.</p>
	Wind energy	€ct 9.20 per kWh (Art. 13 § 3 Item No. 5 Incentive Measures Decree).
	Solar energy	<ul style="list-style-type: none"> Roof-mounted power plants up to 0.03 MW: €ct 20.66 per kWh (Art. 13 § 3 Item No. 6.1 Incentive Measures Decree)



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		<ul style="list-style-type: none"> • Roof-mounted power plants with a capacity from 0.03 - 0.5 MW: €ct 20.941 - 9.383*P per kWh (Art. 13 § 3 Item No. 6.2 Incentive Measures Decree) • Ground-mounted power plants: €ct 16.25 per kWh (Art. 13 § 3 Item No. 6.3 Incentive Measures Decree) <p>“P” stands for the value in MW of the installed power of the power plant.</p> <p>The feed-in tariff for this technology is adjusted once a year, because the investment costs in this sector underlie dynamic changes (Art. 18 § 2 Incentive Measures Decree).</p>
	Geothermal energy	<ul style="list-style-type: none"> • Up to 1 MW: €ct 9.67 per kWh (Art. 13 § 3 Item No. 7.1 Incentive Measures Decree) • 1 - 2 MW: €ct 10.385-0.688*P per kWh (Art. 13 § 3 Item No. 7.2 Incentive Measures Decree) • Over 5 MW: €ct 6.92 per kWh (Art. 13 § 3 Item No. 7.3 Incentive Measures Decree)
	Biogas	<ul style="list-style-type: none"> • Up to 0.2 MW: €ct 15.66 per kWh (Art. 13 § 3 Item No. 3.1 Incentive Measures Decree) • 0.2 - 1 MW: €ct 16.498 - 4.188*P per kWh (Art. 13 § 3 Item No. 3.2 Incentive Measures Decree) • Over 1 MW: €ct 12.31 per kWh (Art. 13 § 3 Item No. 3.3 Incentive Measures Decree)



RES-LEGAL EUROPE – National Profile Serbia



		<p>For power plants fired by biogas from animal origin waste the feed-in tariff amounts to €ct 12.31 per kWh (Art. 13 § 3 Item No. 3.4 Incentive Measures Decree).</p> <p>For landfill and sewage gas power plants (see Art. 2 Nr 6 and 7 Privileged Power Producer Decree) the feed-in tariff amounts to €ct 6.91 per kWh (Art. 13 § 3 Item No. 4 Incentive Measures Decree).</p>
	<p>Hydro-power</p>	<ul style="list-style-type: none"> • Up to 0.2 MW: €ct 12.40 per kWh (Art. 13 § 3 Item No. 1.1 Incentive Measures Decree) • 0.2 - 0.5 MW: €ct 13.727-6.633* P per kWh (Art. 13 § 3 Item No. 1.2 Incentive Measures Decree) • 0.5 - 1 MW: €ct 10.41 per kWh (Art. 13 § 3 Item No. 1.3 Incentive Measures Decree) • 1 - 10 MW: €ct 10.747-0.337 per kWh (Art. 13 § 3 Item No. 1.4 Incentive Measures Decree) • 10 - 30 MW: €ct 7.38 per kWh (Art. 13 § 3 Item No. 1.5 Incentive Measures Decree) <p>If the hydro power plant is using an existing infrastructure (see Art. 2 Nr. 2 Privileged Power Producer Decree), the tariff amounts to €ct 5.9 per kWh up to a capacity of 30 MW (Art. 13 § 3 Item No. 1.6 Incentive Measures Decree).</p>
	<p>Biomass</p>	<ul style="list-style-type: none"> • Up to 1 MW: €ct 13.26 per kWh (Art. 13 § 3 Item No. 2.1 Incentive Measures Decree)



RES-LEGAL EUROPE – National Profile Serbia



		<ul style="list-style-type: none"> 1 - 10 MW: €ct 13.82-0.56*P per kWh (Art. 13 § 3 Item No. 2.2 Incentive Measures Decree) Over 10 MW: €ct 8.22 per kWh (Art. 13 § 3 Item No. 2.3 Incentive Measures Decree)
Degression	General information	
	Wind energy	
	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Cap	<p>Wind energy: The maximum total installed power of wind power plant operators, who can acquire the status of privileged power producer, is limited to 300 MW until the end of the year 2015 and to 500 MW until the end of the year 2020 (Art. 5 Privileged Power Producer Decree).</p> <p>Solar energy: Pursuant to Art. 6 Privileged Power Producer Decree the maximum total installed power of solar power plant operators, who can acquire the status of privileged power producer, is altogether limited to 10 MW:</p> <ul style="list-style-type: none"> For roof-mounted power plants with an individual capacity of 30 kW, the limit amounts to 2 MW, for roof-mounted power plants with an individual capacity of 30 kW to 500 kW, the limit also amounts to 2 MW, 	



RES-LEGAL EUROPE – National Profile Serbia



	<ul style="list-style-type: none"> for ground-mounted solar radiation power plants, the limit amounts to 6 MW. 	
Eligibility period	<p>Principally, the tariff is granted from the conclusion of the Power Purchase agreement for a duration of 12 years, possibly reduced by the period of time, that the respective power plant already was put into operation (Art. 3 § 1 Nr. 1 Incentive Measures Decree).</p> <p>Hydro power plants older than 40 years are only after a reconstruction entitled to the before mentioned period of time. The date of completion of the reconstruction is considered to be the date of commissioning (Art. 3 § 3 Incentive Measures Decree).</p>	
Addressees	<p>Privileged power producers, who conclude the Purchase Agreement on the total amount of generated electricity, are entitled to the incentive price. The public supplier is the obliged party.</p>	
Procedure	<p>Procedure</p>	<p>Status of privileged power producer:</p> <p>Firstly, the plant operator needs to obtain the status of “privileged power producer”. This status can be acquired through a Ministry’s decision within 30 days after the receipt of the request by legal persons or entrepreneurs registered for carrying out one or more energy activities (energy subject), who fulfil the conditions set out in Art. 70 Energy Law:</p> <ol style="list-style-type: none"> RES-power plant (except hydro power plants exceeding 30 MW) meeting building standards for power plants Connected to the grid Special metering point Concluded power purchase agreement



RES-LEGAL EUROPE – National Profile Serbia



6. the facility is newly constructed or reconstructed with unused equipment
7. Capacity restrictions for solar and wind power plant operators
8. meeting other standards according to Art. 74 et seq. Energy Law

Prior to obtaining the status of a privileged power producer, pursuant to Art. 71 Energy Law, the plant operator may acquire the temporary status of a privileged power producer for a period of 3 years, if special (technical and financial) requirements are met.

The status can be revoked in the circumstances outlined in Art. 73 Energy Law.

The Decree on Conditions and Procedure for Acquiring the Status of Privileged Power Producer (“Uredba o merama podsticaja za povlašćene proizvođače električne energije”) enjoins the Ministry to maintain the Register of privileged power producers (Art. 75 Energy Law) and otherwise offers a more detailed regulation of the procedure for acquiring the status of privileged producer.

Power purchase agreement:

The privileged power producer needs to put forward a request for the conclusion of a power purchase agreement on the total amount of the generated electricity (“Ugovor o otkupu ukupnog iznosa



RES-LEGAL EUROPE – National Profile Serbia



		<p>proizvedene električne energije”). This agreement regulates the rights and obligations between the privileged power producer and the public supplier. Thus, the public supplier is obliged to purchase the total amount of produced energy from renewable energy sources.</p> <p>The actual content of the contract depends on the installed capacities (up to 5 MW or over 5 MW) and comprises 21 elements set out in Art. 6 Incentive Measures Decree, such as the particular price category, responsibilities, the transfer of guarantees of origin to the public supplier (see also Art. 11 Incentive Measures Decree), provisions on the termination, technical issues, etc. At the request of the plant operator the TSO issues guarantees of origin for the electricity produced from renewable energy sources (Art. 82 Energy Law).</p> <p>The power plant type and the installed power are determined by the bylaw on obtaining the status of privileged power producers (Art. 13 § 2 Incentive Measures Decree).</p> <p>Preliminary Purchase Agreement</p> <p>If the plant operator has only obtained a temporary privileged producer status, he has the possibility to conclude a preliminary power purchase agreement (“Predugovor o otkupu ukupnog iznosa proizvedene električne energije”, see Art. 9 Incentive Measure Decree). For this purpose, he files a written request along with the decision on acquiring the temporary status of privileged power producer to the public supplier. If all the requirements are met, the</p>
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RES-LEGAL EUROPE – National Profile Serbia



		public supplier is obliged to conclude the contract within 30 days since submitting (Art. 9 § 2 Incentive Measure Decree).
	Competent authority	The public supplier Електропривреда Србије (Elektroprivreda Srbije) collects the funds and purchases the electricity from the privileged power producers.
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The feed-in tariff is funded by the incentive fee, which is funded by the final consumer (Art. 2 Incentive Fee Decree). The fee currently amounts to 0.093 din/kWh = €ct 0.075 per kWh (Art. 2 Decree on fee amount 2015).
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	The distribution mechanism is described in the Incentive Fee Decree: Depending on the type of the power purchase agreement, the entity responsible for charging the fee is:



RES-LEGAL EUROPE – National Profile Serbia



		<ol style="list-style-type: none">1. the TSO or DSO, if the consumer did not enter into a contract on full supply (Art. 8 § 1 Nr. 1 Incentive Fee Decree).2. the private respectively public supplier, if a contract on full supply was concluded (Art. 8 § 1 Nr. 2 and 3 Incentive Fee Decree). <p>Then the grid operator or private supplier is obliged to transfer the collected funds to the public supplier (Art. 8 § 2). These funds are finally used to purchase the electricity from privileged power producers at the feed-in tariff (Art. 9 § 1 Incentive Fee Decree) and cover the costs from overtaking the balance responsibility (Art. 9 § 2 Incentive Fee Decree).</p>
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RES-E grid issues

Overview

Overview of grid issues	In Serbia, the connection of power plants from renewable energy sources to the grid is regulated by the general legislation on energy. The grid operators generally provide non-discriminatory access to the grid and renewable energy producers are given priority to connect to the grid, if the technical conditions permit (Art. 109 § 1 Nr. 30 and 136 § 1 Nr. 37 Energy Law).
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 obtain the approval of the TSO/DSO and thereupon to conclude a contract for connection.
Statutory provisions	<ul style="list-style-type: none">• Energy Law• Decree on Delivery and Supply• Grid Access Cost Methodology• Connection Cost Rulebook• Transmission Grid Code• 5 Distribution Grid Codes



RES-LEGAL EUROPE – National Profile Serbia



Basic information on legal sources

Name of legal source (original language)	Zakon o energetici	Uredba o uslovima isporuke i snabdevanja električnom energijom	Metodologija za određivanje troškova priključenja na sistem za prenos i distribuciju električne energije
Full name	Zakon o energetici (Službeni Glasnik RS broj 145/2014)	Uredba o uslovima isporuke i snabdevanja električnom energijom (Službeni Glasnik RS, 63/13)	Metodologija za određivanje troškova priključenja na sistem za prenos i distribuciju električne energije (Službeni Glasnik RS, br. 109/15)
Name (English)	Energy Law	Decree on the conditions of the delivery and supply of electrical energy	Methodology for Setting the costs of connection to the electricity Transmission and Distribution System
Abbreviated form	Energy Law	Decree on Delivery and Supply	Grid Access Cost Methodology
Entry into force	30.12.2014	20.07.2013	18.12.2015
Last amended on			
Future amendments			
Purpose	The Energy Law regulates basic principles of the energy policy and its method of implementation. It determines the conditions for a reliable and secure energy	This Decree mainly lays down the conditions for the supply and the delivery of electricity to the consumers. Moreover it entails provisions on the connection of power	This Methodology determines the method and detailed criteria for the calculation of the connection costs depending on criteria such as the



RES-LEGAL EUROPE – National Profile Serbia



	generation and energy supply, construction of new facilities and the organising and functioning of the electricity and natural gas market. Moreover, the provision sets out the rights and obligations of the market participants and prescribes the conditions for the promotion of energy production from renewable energy sources and combined generation of electricity and heat. Finally, it entails the rights and duties of governmental bodies such as the Energy Agency of the Republic of Serbia.	plants to the grid, metering points and measures in case of energy shortages.	approved capacity, the connection point, the need for necessary equipment installations etc.
Relevance for renewable energy	Basic law for renewable energy sources use		
Link to full text of legal source (original language)	http://mre.gov.rs/doc/efikasnost-izvori/ZakonOEnergetici.doc	http://www.aers.rs/FILES/PodzakonskiAkti/2013-07-12%20Uredba%20o%20uslovima%20isporuke%20elektricne%20energije%20SG%2063-13.pdf	http://www.aers.rs/FILES/Methodologije/2015-12-18_Metodologija%20za%20prikljucenje-elektricna%20energija-Finalno.pdf
Link to full text of legal source (English)	http://mre.gov.rs/doc/efikasnost-izvori/EnergyLaw.doc		



RES-LEGAL EUROPE – National Profile Serbia



Name of legal source (original language)	Pravilnik o određivanju troškova priključenja na sistem za prenos električne energije	Pravila o radu prenosnog sistema	Pravila o radu distributivnog sistema (Elektrovojdovina)
Full name		Pravila o radu prenosnog sistema (Službeni Glasnik RS, broj 91/2015)	
Name (English)	Rulebook on the determination of the connection costs to the transmission system	Rules on the operation of the transmission system	Rules on the operation of the distribution system
Abbreviated form	Connection Cost Rulebook	Transmission Grid Code	Distribution Grid Code
Entry into force	01.01.2013	01.10.2015	01.01.2010
Last amended on			
Future amendments			
Purpose	This Rulebook regulates the criteria and the method of determining the total costs for the connection of power plants of producers and customers to the transmission system.	This provision regulates the planning of the transmission system, the connection and access of power plants to it, the operation and maintenance of the transmission system facilities and the measurement of electricity.	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 measures in case of emergency



RES-LEGAL EUROPE – National Profile Serbia



			situations, the technical requirements of measuring devices, measuring methods and conditions for the supply of electric energy.
Relevance for renewable energy			
Link to full text of legal source (original language)	http://www.ems.rs/media/uploads/03-Pravilnik-o-odredjivanju-troskova-prikljucenja-26122012.pdf?language=lat	http://www.ems.rs/media/uploads/2013/06/%D0%9F%D1%80%D0%B0%D0%B2%D0%B8%D0%BB%D0%B0-%D0%BE-%D1%80%D0%B0%D0%B4%D1%83-%D0%BF%D1%80%D0%B5%D0%BD%D0%BE%D1%81%D0%BD%D0%BE%D0%B3-%D1%81%D0%B8%D1%81%D1%82%D0%B5%D0%BC%D0%B0.pdf	http://www.aers.rs/FILES/AktiAERS/AERS DajeSaglasnost/2010-01-01_Pravila%20o%20radu%20distributivnog%20sistema%20Elektrovojvodina.pdf
Link to full text of legal source (English)			



RES-LEGAL EUROPE – National Profile Serbia



Name of legal source (original language)	Pravila o radu distributivnog sistema (Elektrodistribucija Beograd)	Pravila o radu distributivnog sistema (Elektrosrbija Kraljevo)	Pravila o radu distributivnog sistema (Jugoistok Niš)
Full name			
Name (English)	Rules on the operation of the distribution system	Rules on the operation of the distribution system	Rules on the operation of the distribution system
Abbreviated form	Distribution Grid Code	Distribution Grid Code	Distribution Grid Code
Entry into force	01.12.2009	01.12.2009	01.12.2009
Last amended on			
Future amendments			
Purpose	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 measures in case of emergency situations, the technical requirements of measuring	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 measures in case of emergency situations, the technical requirements of measuring devices, measuring methods	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 measures in case of emergency situations, the technical requirements of measuring devices,



RES-LEGAL EUROPE – National Profile Serbia



	devices, measuring methods and conditions for the supply of electric energy.	and conditions for the supply of electric energy.	measuring methods and conditions for the supply of electric energy.
Relevance for renewable energy			
Link to full text of legal source (original language)	http://www.aers.rs/FILES/AktiAERS/AERSDajeSaglasnost/2009-12-15_Pravila%20o%20radu%20distributivnog%20sistema%20EDB.pdf	http://www.aers.rs/FILES/AktiAERS/AERSDajeSaglasnost/2009-12-01_Pravila%20o%20radu%20distributivnog%20sistema%20Elektrosrbija.pdf	http://www.aers.rs/FILES/AktiAERS/AERSDajeSaglasnost/2009-12-01_Pravila%20o%20radu%20distributivnog%20sistema%20Jugoistok.pdf
Link to full text of legal source (English)			



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Name of legal source (original language)	Pravila o radu distributivnog sistema (Centar Kragujevac)
Full name	
Name (English)	Rules on the operation of the distribution system
Abbreviated form	Distribution Grid Code
Entry into force	03.12.2009
Last amended on	
Future amendments	
Purpose	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 measures in case of emergency situations, the technical requirements of measuring devices,



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	measuring methods and conditions for the supply of electric energy.
Relevance for renewable energy	
Link to full text of legal source (original language)	http://www.aers.rs/FILES/AktiAERS/AERSDajeSaglasnost/2009-12-03_Pravila%20o%20radu%20distributivnog%20sistema-Centar.pdf
Link to full text of legal source (English)	



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Further information

Institution (name)	Website	Name of contact person (optional)	Telephone number	E-mail
Agencija za energetiku Republike Srbije – Energy Agency of the Republic of Serbia	http://www.aers.rs/		+381 11/32 25 780	aers@aers.rs
Javno Preduzeće Elektromreža Srbije (EMS) – Public Enterprise Elektromreža Srbije	http://www.ems.rs/?language=lat		+381 11/32 39 408	kabinet@ems.rs
Elektroprivreda Srbije – Public Supplier Elektroprivreda Srbije	http://www.eps.rs/Lat/index.aspx	Vladimir Đorđević	+381 11/202 46 31	vladimir.djordjevic@eps.rs
Elektrovojvodina d.o.o. (Novi Sad) - Distribution System Operator	http://www.elektrovojvodina.rs			



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Elektrodistribucija Beograd d.o.o. – Distribution System Operator	http://www.edb.rs/	Bogoljub Radulović	+381 11/395 77 77	bogoljub.radulovic@edb.rs
Elektrosrbija d.o.o. (Kraljevo) - Distribution System Operator	http://www.elektrosrbija.rs/		+381 36/30 43 98	info@elektrosrbija.rs
Jugoistok (Niš) d.o.o. - Distribution System Operator	http://www.jugoistok.com/	Dalibor Nikolić	+381 18/51 85 00	dalibor.nikolic@jugoistok.com
Centar (Kragujevac) d.o.o. - Distribution System Operator	http://www.edcentar.com/		+381 34/370 082	kabinet@edcentar.com



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Grid issues

Connection to the grid

<p>Abbreviated form of legal sources</p>	<ul style="list-style-type: none"> • Energy Law • Decree on Delivery and Supply • Grid Access Cost Methodology • Connection Cost Rulebook • Transmission Grid Code • 5 Distribution Grid Codes 	
<p>Overview</p>	<p>Since there are no special provisions for the grid connection of power plants from renewable energy sources, the procedure is governed by the general rules for the connection of energy facilities.</p> <p>Firstly, the plant operator needs to file a request for the issuance of an approval of the connection. The system operator is obliged to give his approval, if the applicant fulfils the requirements set out in the Energy Law, Transmission Grid Code (Art. 116 Energy Law) or Distribution Grid Code (Art. 139 Energy Law) and other provisions regulating the connection to the grid. Before the actual connection the plant operator needs to sign a connection contract, which outlines the rights and obligations of the contracting parties and furthermore foresees specific provisions with regards to the particular project.</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 (chiefly Grid Access Cost Methodology).</p>	
<p>Procedure</p>	<p>Process flow</p>	<p>The procedure for the connection of a facility to the transmission power grid is governed by the provisions of the Energy Law (Art. 117 et seq), the Decree on the conditions of electricity delivery and supply and the Transmission Grid Code. The connection to the distribution grid is regulated correspondingly in the respective Distribution Grid Codes of the 5 Distribution System Operators (Elektrovojvodina d.o.o. (Novi Sad),</p>



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		<p>Elektrodistribucija Beograd d.o.o., Elektrosrbija d.o.o. (Kraljevo), Jugoistok d.o.o. (Niš) and Centar d.o.o. (Kragujevac)).</p> <p>1. Request for the issuance of connection approval:</p> <p>The first step is the submission of the request for the issuance of the approval of connection, which has to be forwarded to the respective TSO/DSO (Art. 119 § 5 and Art. 140 Energy Law). According to Art. 3 § 5 Decree on Delivery and Supply of electrical energy the request needs to entail data on:</p> <ol style="list-style-type: none">1. Name of the owner2. Information on the facility (location, type)3. The power of the facility4. Estimated method of connection5. Point of time of the connection6. Safety requirements of the plant7. other information in accordance with the Grid Code <p>Moreover, the plant operator needs to put forward estimations concerning the capacity, monthly/yearly energy production and consumption of the plant (Art. 4 Decree on Delivery and Supply). Finally, the applicant should also add the construction permit and</p>
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		<p>evidence of the ownership of the facility to the request (Art. 5 Decree on Delivery and Supply).</p> <p>2. Decision on connection approval:</p> <p>The relevant system operator gives his approval upon the connection request in form of a decision (Art. 120 or 142 Energy Law and Art. 3 Decree on Delivery and Supply). Pursuant to Art. 121 and 143 Energy Law the approval particularly contains:</p> <ol style="list-style-type: none">1. Connection point2. Method and technical requirements3. Approved capacity of the facility4. Location5. Metering of the supplied energy6. Connection costs7. Deadline for the connection <p>More detailed technical requirements for the connection are also set out in the Distribution Grid Codes (see below) and Chapter 4 of the Transmission Grid Code (see also Art. 7 et seq. Decree on Delivery and Supply).</p>
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		<p>3. Contract on Connection:</p> <p>Next, the applicant has to conclude a Connection Contract with the respective system operator (Art. 125 Energy Law).</p> <p>4. Connection:</p> <p>The system operator is obliged to carry out the connection, if the following conditions are fulfilled:</p> <ol style="list-style-type: none"> 1. the conditions from the connection approval are met 2. use permit for the facility is on hand 3. the customer delivered the sales contract to the system operator 4. balance responsibility was arranged <p>There also exists the possibility of a temporary connection of facilities, which cannot last longer than 3 years (Art. 22 et seq. Decree on Delivery and Supply). The approval for a temporary connection is also regulated by the provisions for the general approval for connection (Art. 124 § 2 Energy Law).</p>
	<p>Deadlines</p>	<p>TSO/DSO: The TSO has to decide on the application not later than 60 days after the receipt of the written request (Art. 120 § 4 Energy Law). The DSO decides within 45 days as of the date of receipt of the written request (Art. 142 § 2 Energy Law).</p> <p>If the above mentioned criteria are met, the TSO is obliged to carry out the connection within 15 days after the conditions from Art. 123 § 1 Energy Law were fulfilled. The</p>



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		<p>DSO connects the facility within 8 days after the fulfilment of the conditions (Art. 145 Energy Law).</p> <p>System user: The applicant can appeal to the Energy Agency against the decision within 15 days after receipt (Art. 120 § 5 and Art. 145 § 3 Energy Law).</p>
	Obligation to inform	
<p>Priority to renewable energy</p> <p>(qualitative criteria)</p>	<p>(x) Priority to renewable energy</p> <p>() Non-discrimination</p>	<p>Facilities for the generation of electricity from renewable energy sources are given priority by the transmission or distribution system operator, if the technical conditions permit (Art. 109 § 1 Nr. 30 and 136 § 1 Nr. 37 Energy Law).</p>
<p>Capacity limits</p> <p>(quantitative criteria)</p>		
<p>Distribution of costs</p>	State	
	Consumers	<p>The costs for the connection and the procurement of measuring units are borne by the plant operator (Art. 118 and 141 Energy Law).</p> <p>The cost amount is calculated by the system operator according to the Methodology for determining the costs of the connection to the grid and the Rulebook on the determination of the connection costs to the transmission system.</p>
	Grid operator	



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	Plant operator	
	European Union	
	Distribution mechanism	