

Research RES LEGAL - Grid-related regulations
Country: Czech Republic

1. Overview of grid-related regulations

Overview of access to the grid	Operators of renewable energy systems are entitled to priority connection to the grid. The use and the expansion of the grid are subject to general legislation on energy.
Connection to the grid	System operators are entitled against the grid operator to priority connection of a renewable energy system to the grid. The grid operator is obliged to enter into connection agreements (§ 4 par. 1 Act No. 180/2005 Coll.).
Use of the grid	System operators are entitled against the grid operator to non-discriminatory use of the grid for the transmission or distribution of electricity from renewable sources. The grid operator is obliged to enter into transmission agreements (§ 24 par. 2 letter b) in conjunction with § 24 par. 10 letter c) and § 25 par. 1 letter b) in conjunction with par. 11 letter d) Act No. 458/2000 Coll.).
Grid expansion	System operators are entitled against the grid operator to the expansion of the grid, if the expansion is necessary to satisfy the terms of a connection agreement (§ 45 par. 1 Act No. 458/2000 Coll.). The grid operator is obliged to expand the grid without discriminating against certain system operators.
Statutory provisions	<ul style="list-style-type: none"> • Act No. 458/2000 Coll. (Zákon c. 458/2000 Sb. o podmínkách podnikání a o výkonu státní správy v energetických odvětvích – Energy Act) • Act No. 180/2005 Coll. (Zákon c. 180/2005 Sb. o podpoře výroby elektriny z obnovitelných zdrojů energie – Act on the Promotion of Use of Renewable Sources) • Regulation No. 79/2010 (Vyhláška c. 79/2010 o dispečerském řízení elektrizační soustavy a o předávání údajů pro dispečerské řízení – Regulation on Energy Management) • Regulation No. 80/2010 (Vyhláška c. 80/2010 o stavu nouze v elektroenergetice – Regulation on Energy Emergencies)

2. Basic information on legal sources

Name of legal source (original language)	Zákon č. 458/2000 Sb. (energetický zákon)	Zákon č. 180/2005 Sb. (zákon o podpoře využívání obnovitelných zdrojů)	Vyhláška č. 79/2010 o dispečerském řízení
Name of legal source (full name)	Zákon č. 458/2000 Sb. o podmínkách podnikání a o výkonu státní správy v energetických odvětvích a o změně některých zákonů (energetický zákon)	Zákon č. 180/2005 Sb. o podpoře výroby elektriny z obnovitelných zdrojů energie a o změně některých zákonů (zákon o podpoře využívání obnovitelných zdrojů)	Vyhláška č. 79/2010 o dispečerském řízení elektrizační soustavy a o předávání údajů pro dispečerské řízení
Name of legal source (English)	Act No. 458/2000 Coll. on Business Conditions and Public Administration in the Energy Sectors and on the Amendment to Other Laws (Energy Act)	Act No. 180/2005 Coll. on the promotion of electricity production from renewable energy sources and amending several Acts (Act on the Promotion of Use of Renewable Sources)	Regulation No. 79/2010 on the management of the transmission grid system and on the transmission of data related to grid management
Abbreviated form	Act No. 458/2000 Coll.	Act No. 180/2005 Coll.	Regulation No. 79/2010
Entry into force	01/01/2001	01/08/2005	01/04/2010
Last amended on	04/07/2009		
Future amendments			
Purpose	Act No. 458/2000 Coll. is a framework for entrepreneurship, public administration and non-discriminatory regulation of the energy industries.	This Act aims to increase the proportion of renewable energy in total energy supplies to 8% by 2010 to protect the climate and the environment and sets out requirements to further increase this proportion after 2010 (§1 Act No. 180/2005 Coll.).	This regulation establishes provisions on the operations management of the electricity grid and the calculation of the usable capacities.
Relevance for renewable energy	The Act also applies to the generation of electricity from renewable sources.	This Act promotes renewable energy only.	The Regulation also applies to renewable electricity generation.
Link to full text of legal source (original language)	http://portal.gov.cz/wps/portal/_s.155/701/.cmd/ad/.c/313/.ce/10821/.p/8411/_s.155/701?PC_8411_number1=458/2000&PC_8411_l=458/2000&PC_8411_ps=50#10821	http://portal.gov.cz/wps/portal/_s.155/701/.cmd/ad/.c/313/.ce/10821/.p/8411/_s.155/701?PC_8411_number1=180/2005&PC_8411_l=180/2005&PC_8411_ps=10	http://portal.gov.cz/wps/portal/_s.155/701?number1=79%2F2010&number2=&name=&text=

Link to full text of legal source (English)		http://www.czrea.org/files/pdf_en/zakony/RES_act_english.pdf	
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Basic information on legal sources

Name of legal source (original language)	Vyhlaska c. 80/2010 o stavu nouze v elektroenergetice		
Name of legal source (full name)	Vyhlaska c. 80/2010 o stavu nouze v elektroenergetice a o obsahovych nalezitostech havarijního planu		
Name of legal source (English)	Regulation No. 80/2010 on Energy Emergencies and on the Contents of the Emergency Plan		
Abbreviated form	Regulation No. 80/2010		
Entry into force	01/04/2010		
Last amended on			
Future amendments			
Purpose	This regulation establishes provisions to reduce the generation and consumption of electricity in case of (risk of) emergency		
Relevance for renewable energy	The Regulation also applies to renewable electricity generation.		
Link to full text of legal source (original language)	http://portal.gov.cz/wps/portal/_s.155/702/.cmd/ad/.c/312/.ce/10822/.p/8412/_s.155/702/_ps.1272/M?PC_8412_l=80/2010&PC_8412_ps=25#10822		
Link to full text of legal source (English)			

1. Further information

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Ministerstvo životního prostředí (MŽP) – Ministry of the Environment	http://www.mzp.cz/en/		+420 267 121 111	mailto:info@mzp.cz
Ministerstvo průmyslu a obchodu (MPO) – Ministry of Industry and Trade	http://www.mpo.cz/default_en.html		+420 224 851 111	mailto:posta@mpo.cz
Energetický regulační úřad (ERÚ) – Energy Regulatory Office (ERO)	http://www.eru.cz/?bl=y		+420 564 578 666	mailto:eru@eru.cz
Czech RE Agency – Energy Agency	http://www.czrea.org/en/		+420 575 750 090	mailto:info@czrea.org
Státní fond životního prostředí České republiky – State Environmental Fund of the Czech Republic	http://en.sfzp.cz/sekce/585/sef/		+420 267 994 300	mailto:dotazy@sfzp.cz

2. Connection to the grid

Abbreviated form of legal sources	<ul style="list-style-type: none"> • Act No. 458/2000 Coll. • Act No. 180/2005 Coll. 	
Overview	<p>Transmission and distribution grid operators are obliged to give priority connection to renewable energy systems within the area delimited in their licence.</p> <p>A transmission grid operator's obligation to connect a renewable energy system shall arise where the connection costs are lowest.</p> <p>Entitled party: The persons entitled to priority connection are the generators of electricity from renewable sources. Wind power plants located over an area of 1 km² with a total installed capacity exceeding 20 MW are exempt from priority connection (§ 3 par. 1 Act No. 180/2005 Coll.). Wind plant operators are entitled to be connected according to non-discriminatory criteria and in line with general legislation on energy (§ 24 par. 10 in conjunction with § 26 par. 11 Act No. 458/2000 Coll.).</p> <p>Obligated party: Both transmission and distribution grid operators are obliged to give priority connection to renewables. Where a system is connected to a distribution grid, the distribution grid operator whose connection costs are lowest is obliged to connect it. As there is only one transmission grid operator, the costs of connection to a transmission grid are not subject to variation.</p>	
Procedure	Procedure	<ul style="list-style-type: none"> - Application. The system operator applies for connection of his system. - Connection requirements. The system operator must comply with the connection requirements and the terms and conditions set out in Act No. 458/2000 Coll. (§ 4 par. 1 Act No. 180/2005 Coll. and § 24 par. 10 letter a) in conjunction with § 26 par. 11 letter a) Act No. 458/2000 Coll.). - Connection agreement. The grid operator is obliged to enter into connection agreements (§ 4 par. 1 Act No. 180/2005 Coll.).
	Deadlines	Statutory law does not provide any deadlines for connection to the grid. However, deadlines may be specified in the connection agreements.
	Obligation to provide information	
Priority to renewable energy (qualitative criteria)	(x) Priority to renewable energy () Non-discrimination	System operators are entitled against the grid operator to priority connection of a renewable energy system to the grid. The grid operator is obliged to enter into connection agreements (§ 4 par. 1 Act No. 180/2005 Coll.).
Capacity limits (quantitative criteria)	In case of proven capacity shortage, the grid operator is exempt from his obligation to connect a system that generates renewable electricity (§ 4 par. 2 Act No. 180/2005 Coll.).	
Funding		
	State	

	Consumers	
	Grid operator	
	System operator	The cost of the connection of a system to the grid is borne by the system operator (§ 23 par. 2 letter a) Act No. 458/2000 Coll.).
	Distribution mechanism	

3. Use of the grid

Abbreviated form of legal sources	<ul style="list-style-type: none"> • Act No. 458/2000 Coll. • Act No. 180/2005 Coll. • Regulation No. 79/2010 • Regulation No. 80/2010 	
Overview	<p>System operators are entitled against the grid operator to non-discriminatory use of the grid for the transmission or distribution of electricity from renewable sources. The grid operator is obliged to enter into transmission agreements (§ 24 par. 2 letter b) in conjunction with § 24 par. 10 letter c) and § 25 par. 1 letter b) in conjunction with par. 11 letter d) Act No. 458/2000 Coll.). There are no special provisions on the use of the grid for the transmission and distribution of electricity from renewable sources.</p> <p>Entitled party: The persons entitled to use the grids are all electricity suppliers that have concluded an agreement with a transmission or distribution grid operator (§ 24 par. 2 letter b) in conjunction with § 24 par. 10 letter c) and § 25 par. 1 letter b) in conjunction with par. 11 letter d) Act No. 458/2000 Coll.).</p> <p>Obligated party: The grid operator in charge is obligated to connect the systems of all applicants to the grid and transmit and distribute their electricity, given that the applicants comply with the conditions laid down by a separate legal provision. The grid operator is exempt from his obligation in cases of proven capacity shortages or threats to the reliable operation of the grid (§ 24 par. 10 letter a) in conjunction with § 25 par. 11 letter a) Act No. 458/2000 Coll.).</p>	
Procedure	Procedure	<ul style="list-style-type: none"> • Conclusion of an agreement. Where renewable electricity is offered to them, the grid operators are obliged to purchase all electricity from eligible renewable sources and conclude a supply contract. • Obligations. System operators who choose to be supported through the green bonus are obliged to enter into a supply contract with another supplier. This obligation does not apply to producers who consume all renewable electricity they produce. • Guarantee of origin. The electricity market operator shall issue a certificate of origin of renewable electricity upon written request by an operator of a renewable energy system. This guarantee of origin shall be issued within 30 days.
	Deadlines	Any deadlines by which grid use must be granted depend on the terms of the agreement concluded.
	Obligation to provide information	
Priority to renewable energy (qualitative criteria)	() Priority to renewable energy (x) Non-discrimination	The conditions of use of the grid must be non-discriminatory (§ 24 par. 10 letter c) and § 25 par. 11 letter d) Act No. 458/2000 Coll.). Operators of renewable energy systems are not entitled to priority use.
Grid stability	<p>A grid operator is not obliged to grant to an applicant the connection of a system and the transmission and distribution of electricity if he provides evidence of a capacity shortage (§ 24 par. 10 letter a) in conjunction with § 25 par. 11 letter a) Act No. 458/2000 Coll.).</p> <p>Systems in the affected area will be managed by the energy dispatcher, who is responsible for the secure and reliable</p>	

	operation of the grid, the operations management of the grid and the calculation of the load of the connection lines (Regulation No. 79/2010). In case of an emergency, he may reduce the production and the consumption of electricity and cut electricity imports from systems in the affected area (Regulation No. 80/2010).	
Funding		
	State	
	Consumers	
	Grid operator	
	System operator	Producers of electricity from renewable sources are obligated to refund to the grid operator the costs of system services, which depend on the amount of electricity produced (§ 23 par. 2 letter j) Act No. 458/2000 Coll.).
	Distribution mechanism	

4. Grid expansion

Abbreviated form of legal sources	<ul style="list-style-type: none"> • Act No. 458/2000 Coll. • Act No. 180/2005 Coll. 	
Overview	<p>The system operator is contractually entitled against the grid operator to the expansion of the grid if the expansion is necessary to satisfy a connection agreement (§ 45 par. 1 Act No. 458/2000 Coll.).</p> <p>Entitled party: The persons entitled are those producers of electricity from renewable sources that hold an electricity production licence and comply with both the connection requirements, which are set out in a separate legal provision (Notice of the Ministry of Industry and Trade), and the grid operator's terms and conditions (§ 23 par. 1 letter a) Act No. 458/2000 Coll.).</p> <p>Obligated party: The transmission or distribution grid operator whose cost of connection is lowest is obligated to connect a renewable energy system to his grid except where the reliable operation of the distribution system is at risk (§ 4 par. 2 Act No. 180/2005 Coll.).</p>	
Procedure for system operators	Procedure	
	Enforcement of claims	From the beginning, the relationship between the grid operator and the system operator is governed by contracts which set out the grid operator's obligations and the system operator's rights. The contracts may contain provisions for cases where the grid operator fails to fulfil his obligations (e.g. the expansion of the grid). These provisions must be in line with the current legal framework.
	Deadlines	Statutory law does not provide any deadlines for an expansion of the grid. However, deadlines may be specified in the connection and transmission agreements.
	Obligation to provide information	
Incentives for grid expansion		
Funding		
	State	
	Consumers	
	Grid operator	The distribution grid operator bears the costs of extending low-voltage lines in built-up areas and low-voltage lines of up to 50 m in non built-up areas (§ 45 par. 2 Act No. 458/2000 Coll.).
	System operator	In all other cases, the cost of grid expansion is borne by the person that derives a benefit from the expansion. Thus, the system operator usually bears the cost (§ 45 par. 2 Act No. 458/2000 Coll.).

	Distribution mechanism	
Grid studies		