



# Renewable energy policy database and support – RES-LEGAL EUROPE

National profile: Austria

Client: DG Energy

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Berlin, 24 April 2012











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# RES-E support schemes

### **Summary of support schemes**

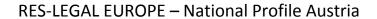
Overview	In Austria, electricity from renewable sources is supported mainly through a feed-in tariff. Furthermore, the construction of small and medium-sized hydro-electric power stations is supported through subsidies.	
Summary of support system	<ul> <li>Feed-in tariff. In Austria, electricity from renewable sources is supported mainly through a feed-in tariff, which is set out in the Green Electricity Act and the regulations related thereto. The operators of renewable energy plants are entitled against the government purchasing agency, the so-called Ökostromabwicklungsstelle (hereinafter called "Clearing and Settlement Agency"), to the conclusion of a contract on the purchase of the electricity they produce ("obligation to enter into a contract").</li> <li>Subsidy. The construction of small and medium-sized hydro-electric power stations is subsidised by investment grants. The legal basis of these grants is the Green Electricity Act in conjunction with the applicable subsidy directive.</li> </ul>	
Technologies	All renewable electricity generation technologies are eligible for the Austrian feed-in tariff. In contrast to the tariff, subsidies are available for small and medium-sized hydro-electric power stations only.	
Statutory provisions	<ul> <li>Ökostromgesetz (Green Electricity Act)</li> <li>Förderungsrichtlinien 2010 (Subsidy Directive 2010)</li> <li>Ökostromverordnung 2011 (Green Electricity Regulation 2011)</li> </ul>	













### **Basic information on legal sources**

Name of legal source (original language) Full name	Bundesgesetz, mit dem Neuregelungen auf dem Gebiet der Elektrizitätserzeugung aus Erneuerbaren Energieträgern und auf dem Gebiet der Kraft-Wärme-Kopplung erlassen werden (Ökostromgesetz - ÖSG)	Förderungsrichtlinien 2010 für die Gewährung von Investitionszuschüssen gemäß § 12, § 12a und § 13a Ökostromgesetz für die Errichtung von KWK-Anlagen, Kleinwasserkraftanlagen und mittleren Wasserkraftwerken	Verordnung, mit der Preise für die Abnahme elektrischer Energie aus Ökostromanlagen auf Grund von Verträgen festgesetzt werden, zu deren Abschluss die Ökostromabwicklungsstelle im Jahr 2012 verpflichtet ist
Name (English)	Federal Act on the Support of Electricity Produced from Renewable Energy Sources (Green Electricity Act)	Subsidy Directive 2010 on the granting of investment subsidies, as set out in § 12, § 12a and § 13a of the Green Electricity Act, for the construction of CHP plants and small and medium-sized hydro-power plants	Regulation setting the prices for the purchase of electricity generated by green power plants as set out in the purchase agreements the Clearing and Settlement Agency is obliged to enter into in 2012
Abbreviated form	Green Electricity Act	Subsidy Directive 2010	Green Electricity Regulation 2012
Entry into force	24.08.2002	20.10.2009	01.01.2012
Last amended on	20.02.2012	24.03.2011	
Future amendments	01.07.2012 (On 8 Feb 2012, the Green Electricity Act was approved by the European Commission; the provisions of this act come		Every year on 1 January











	into effect on 1 July 2012.)		
Purpose	The act regulates the support system for electricity from renewable sources and the use of certificates of origin (§ 2).	Giving a more detailed definition of the conditions for the granting of investment subsidies in accordance with the Green Electricity Act.	The regulation sets out the feed-in tariff rates for electricity from renewable sources.
Relevance for renewable energy	The act aims to support renewable energy and combined heat and power only.	This directive aims to support combined heat and power and small and medium-sized hydro-power plants only.	This regulation was designed to support renewable energy.
Link to full text of legal source (original language)	http://www.ris2.bka.gv.at/GeltendeFassung.w xe?QueryID=Bundesnormen&Gesetzesnummer =20002168&TabbedMenuSelection=Bundesrec htTab	http://www.oem- ag.at/static/cms/sites/oem- ag.at/media/downloads/Investitionsfoerde rung/2011_03_24_Richlinienaenderung_cl ean.pdf	http://www.oem- ag.at/static/cms/sites/oem- ag.at/media/downloads/law/BGBLA_2011 _II_471.pdf
Link to full text of legal source (English)			













### **Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Federal Ministry of Economy, Family and Youth (BMWFJ), Energy and Mining Department	http://www.bmwfj.gv.at/ENERGIEUNDBERGBAU/Seite n/default.aspx		+43 171 10 00	post@IVSL.bmwfj. gv.at
Austrian Energy Agency	http://www.energyagency.at/		+43 158 615 240	office@energyage ncy.at
E-Control Ltd Deregulation agency	http://www.e-control.at/		+43 124 72 40	office@e- control.at
Dachverband Energie-Klima - Umbrella Organization Energy-Climate Protection	http://www.energieklima.at/		+43 590 900 34 65	energieklima@fm mi.at
Clearing and Settlement Agency for Green Electricity - OeMAG Abwicklungsstelle für Ökostrom AG	http://www.oem-ag.at/		+43 5 787 66-10	kundenservice@o em-ag.at













### **Support schemes**

#### **Subsidy (Investment subsidy)**

Abbreviated form of legal source(s)	<ul><li> Green Electricity Act</li><li> Subsidy Directive 2010</li></ul>	
Summary	The investment subsidy scheme supports the construction of small and medium-sized hydro-power plants that will be put into operation prior to or on 31 December 2014. The scheme aims at establishing water power plants with a total capacity of 150 MW by 2014 (§ 13a par. 1 Green Electricity Act).  Since the Green Electricity Act was approved by the European Commission on 8 February 2012, this scheme will be amended on 1 July 2012.	
	General information	In Austria, only small and medium-sized hydro-power plants are eligible for subsidies (§ 12 a par. 1, § 13a par. 1 Green Electricity Act). Other technologies are not eligible.
	Wind energy	
Eligible technologies	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-power	Eligible if the plant meets the following conditions:     The maximum capacity shall not exceed 10 MW ("small hydro-power plant"; § 5 par. 1 subpar. 16 Green Electricity











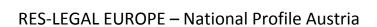
		<ul> <li>Act ). OR</li> <li>The plant shall have a maximum capacity between 10 MW and 20 MW ("medium-sized hydro-power plant"; § 5 par. 1 subpar. 20 Green Electricity Act).</li> <li>The plant shall have been recognized as renewable energy plant (§ 7 par. 1 Green Electricity Act).</li> <li>The plant construction shall start prior to or on 31 December 2013 (§ 13a par. 1 Green Electricity Act).</li> <li>The plant shall have been put into operation prior to or on 31 December 2014 (§ 13a par. 1 Green Electricity Act).</li> </ul>
	Biomass	
Amount	<ul> <li>Small hydro-power plants with a capacity of up to 500 kW are eligible for grants of up to 30% of the project costs. Grants are subject to a maximum of € 1,500 per kW (§ 12a par. 2 Green Electricity Act, § 11 par. 3 No. 1 Subsidy Directive 2010).</li> <li>Small hydro-power plants from 500 kW to 2 MW are eligible for up to 20% of the project costs. Grants are subject to a maximum of € 1,000 per kW (§ 12a par. 2 Green Electricity Act, § 11 par. 3 No. 2 Subsidy Directive 2010).</li> <li>Small hydro-power plants from 2 to 10 MW are eligible for up to 10% of the project costs. Grants are subject to a maximum of € 400 per kW (§ 12a par. 2 Green Electricity Act, § 11 par. 3 No. 3 Subsidy Directive 2010).</li> <li>Medium-sized hydro-power plants are eligible for up to 10% of the project costs. Grants are subject to a maximum of € 400 per kW. The maximum permissible level of grant aid is 6 million Euros per plant (§ 13a par. 1 Green Electricity Act, § 11 par. 2 Subsidy Directive 2010).</li> </ul>	
Addressees	Entitled party. The party entitled to the subsidies are those who construct small and medium-sized power plants (§12a par. 1, § 13a par. 1 Green Electricity Act). A "constructor" of a hydro-power plant shall be every natural person or legal entity that is financially responsible for the construction of a plant (§ 5 par. 1 subpar. 6 Green Electricity Act).  Obligated party. The obligated party is the Federal Minister of Economy, Family and Youth (§ 12 par. 5 Green Electricity Act).	













Procedure	Process flow	<ul> <li>Application. Applications shall be submitted in writing to the Clearing and Settlement Agency for Investment Subsidies (OeMAG) prior to construction. For medium-sized hydropower plants by 30 September 2012, for small hydro-power plants by 30 September 2013 (§ 4 par. 2 and 3 Subsidy Directive 2010). The applications will be processed in order of receipt.</li> <li>Selection. Evidence of the investment costs for the plant and its eligibility for subsidies shall be provided by the report of an independent expert who shall be appointed by the Provincial Governor. Moreover, compliance with the conditions laid down in the Green Electricity Act and the Subsidy Directive 2010 is assessed. The advisory body for investment subsidies gives a recommendation.</li> <li>Subsidy contract. If all the conditions are met, the Federal Minister of Economy, Family and Youth shall grant the subsidy and conclude a contract. The investment grant shall be paid as soon as the plant has been commissioned at its full capacity and the final report has been submitted and examined (§§ 12, 13 Subsidy Directive 2010).</li> </ul>
	Competent authority	Ministry of Economy, Family and Youth (BMWFJ)
Flexibility mechanism		
	State	
Distribution of costs	Consumers	The costs of the subsidy scheme are borne by the consumers.
	Plant operator	











Grid operator	
European Union	
Distribution mechanism	<ul> <li>Consumer – grid operator. In addition to the grid use fees, the grid operators charge different support fees, which depend on the voltage level and are to be paid by the users of all voltage levels (large enterprises, private households), (§§ 22, 22 a Green Electricity Act). The support fee shall be shown separately on the electricity bills. On the whole, the means arising from the support fee shall not exceed 7.5 million Euros (§13 a Green Electricity Act).</li> <li>Grid operator – Clearing and Settlement Agency. The grid operator shall transfer the income from the support fee to the Clearing and Settlement Agency every three months.</li> <li>From 2007 until and including 2012, the support fee amounts to the following:         <ul> <li>Grid users connected to voltage levels 1 to 4 shall pay € 15,000 per year.</li> <li>Grid users connected to voltage level 5 shall pay € 3,300 per year.</li> <li>Grid users connected to voltage level 6 shall pay € 300 per year.</li> <li>Grid users connected to voltage level 7 shall pay € 15 per year (§ 22a par. 1 Green Electricity Act).</li> <li>From 2012 onwards, the support fee will be determined by a regulation for and every three years (§ 22a par. 2 Green Electricity Act).</li> </ul> </li> </ul>























### Feed-in tariff (Green Electricity Act)

Abbreviated form of legal source(s)	<ul> <li>Green Electricity Act</li> <li>Green Electricity Regulation 2012</li> </ul>	
Summary	are entitled to the conclusion of a contract with a genthe purchase of and payment for electricity as lon Settlement Agency distributes the electricity purchal law and exceeds the market price for electricity (§ 19). The Green Electricity Act stipulates different feed-Electricity Act).	ainly through a feed-in tariff. The operators of renewable energy plants government purchasing agency, the Clearing and Settlement Agency, on ag as funds are available (§ 10 Green Electricity Act). The Clearing and used among all electricity traders, who have to pay a price that is fixed by 9 par. 1 in conjunction with § 22b par. 2 and 3 Green Electricity Act).  -in tariffs for the different renewable technologies (§ 11 par. 1 Green European Commission on 8 February 2012, this scheme will be amended
Eligible technologies	General information	<ul> <li>The Clearing and Settlement Agency is obliged to purchase electricity from all renewable sources except hydro power regardless of the generation technology used, under the following conditions:         <ul> <li>There are still funds available for the current year (§ 10 Green Electricity Act).</li> <li>The plant in question has been commissioned and the contract with the Clearing and Settlement Agency has been concluded within the periods stipulated in § 10 Green Electricity Act.</li> <li>The producer in question is obliged to supply green electricity for at least twelve calendar months (§ 10a par. 2 Green Electricity Act).</li> </ul> </li> </ul>











	<ul> <li>The producer is obliged to join the eco-balance group (§ 10a par. 2 Green Electricity Act).</li> <li>Due to the amendment of the Green Electricity Act of 20 October 2009, further funds were provided. € 2.1 million were designated for photovoltaic plants (§ 21b Green Electricity Act). The feed-in tariff is allocated on a "first come – first served" basis. Applications received after the funds for the year have been completely disbursed will be considered in the following year; applications become invalid after three years (§ 10a par. 7 Green Electricity Act).</li> </ul>
Wind energy	Eligible (§ 10 in conjunction with § 5 par. 1 no. 11, 27 Green Electricity Act).
Solar energy	Eligible (§ 10 in conjunction with § 5 par. 1 no. 11, 27 Green Electricity Act) under the following condition:  • The installation capacity shall exceed 5 kWp (§ 2 par. 2 no. 2 Green Electricity Act).
Geothermal energy	Eligible (§ 10 in conjunction with § 5 par. 1 no. 11, 27 Green Electricity Act) under the following condition:  • Plants shall reach an efficiency of at least 60%. The required efficiency may be increased by order if the increase is deemed economically reasonable (§11 par. 1 Green Electricity Act).
Biogas	Eligible (§ 10 in conjunction with § 5 par. 1 no. 11, 27 Green Electricity Act) under the following condition:  • Plants shall reach an efficiency of at least 60%. The required











		efficiency may be increased by order if the increase is deemed economically reasonable (§ 11 par. 1 Green Electricity Act).
	Hydro-power	
		Eligible (§ 10 in conjunction with § 5 par. 1 no. 11, 27 Green Electricity Act) with the following restrictions:
	Biomass	<ul> <li>Electricity produced from spent liquors, meat-and-bone meal, sewage sludge or waste is ineligible, except waste with a high proportion of biogenic substances (§ 2 par. 2 no. 1 Green Electricity Act).</li> <li>Plants shall reach an efficiency of at least 60%. The required efficiency may be increased by order if the increase is deemed economically reasonable (§ 11 par. 1 Green Electricity Act).</li> <li>Plants fuelled by solid biomass are ineligible unless measures were taken to prevent particulate matter emissions (§ 10a par. 1 Green Electricity Act).</li> </ul>
	General information	The amount of tariff is determined for each source of energy by the Minister of Economy, Family and Youth (§ 11 par. 1 Green Electricity Act).
Amount	Wind energy	€ct 9.5 per kWh (§ 6 Green Electricity Regulation 2012)
	Solar energy	PV installations on a building or a noise barrier:
		• capacity over 5 <u>kWp</u> , up to 20 <u>kWp</u> : €ct 27.6 per kWh











	• capacity over 20 <u>kWp</u> : €ct 23 per kWh
	(§ 5 par. 1 Green Electricity Regulation 2012)
	Other PV installations:
	<ul> <li>capacity over 5 <u>kWp</u>, up to 20 <u>kWp</u>: €ct 25 per kWh</li> <li>capacity over 20 <u>kWp</u>: €ct 19 per kWh</li> </ul>
	(§ 5 par. 2 Green Electricity Regulation 2012)
	The support of PV installations - provided by the further € 2.1 million designated for photovoltaic installations in accordance with § 21b Green Electricity Act - shall not exceed € 500,000 per year (§ 5 par. 3 Green Electricity Regulation 2012).
Geothermal energy	€ct 7.5 per kWh (§ 7 Green Electricity Regulation 2012)
Biogas	<ul> <li>Biogas plants: €ct 13 - 18.5 per kWh, depending on the maximum capacity (§ 10 par. 1 Green Electricity Regulation 2012)</li> <li>Sewage gas plants: €ct 6 per kWh (§ 11 par. 1 Green Electricity Regulation 2012)</li> <li>Landfill gas plants: €ct 5 per kWh (§ 11 par. 1 Green Electricity Regulation 2012)</li> </ul>
Hydro-power	
Biomass	Solid biomass:  • According to maximum capacity: €ct 10 – 14.98 per kWh (§ 8
	- According to maximum capacity, ect 10 - 14.30 per kwii (8 0











		par. 1 Green Electricity Regulation 2012)	
		Liquid biomass:	
		• €ct 5.8 per kWh (§ 9 par. 1 Green Electricity Regulation 2012)	
	General information	The tariff for new plants may be gradually reduced to reflect the development of costs for a certain technology. The amount of annual reduction is determined by order of the Minister of Economy, Family and Youth (§ 11 par. 1 Green Electricity Act). However, the feed-in tariff applicable on the date on which a given contract is concluded applies to the entire grant period (§ 11 par. 2a Green Electricity Act).	
	Wind energy		
Degression	Solar energy		
	Geothermal energy		
	Biogas		
	Hydro-power		
	Biomass		
Сар		•	
Eligibility period	Entitlement to the tariff is time-limited, regardless of the source of energy used.		
	Biomass and biogas technologies. A given operator of a plant fuelled by solid or liquid biomass or biogas is entitle		











	to the purchase of all electricity he exports to the grid and to the payment of the tariff applicable on the date on which the contract is concluded, for 15 years starting on the date on which the plant is put into operation (§ 11 par. 2a Green Electricity Act). After this period, the operator is entitled to the purchase of his electricity at the market price (less the reserve capacity costs charged by the Clearing and Settlement Agency) (§ 10 no. 4 in conjunction with § 20 Green Electricity Act).  • Other plants. A given operator of any other renewable energy plant is entitled to the purchase of electricity exported and to the payment of the tariff applicable on the date on which the contract is concluded, for 13 years starting on the date on which the plant is put into operation (§ 11 par. 2a Green Electricity Act). After this period, he is entitled to the purchase of his electricity at the market price (less the reserve capacity costs charged by the Clearing and Settlement Agency) (§ 10 no. 3, 4 in conjunction with § 20 Green Electricity Act).		
Addressees	<ul> <li>Entitled party. The persons entitled to the tariff are the operators of renewable energy plants (§ 10 Green Electricity Act). In order for a plant operator to be entitled to the tariff, the plant he claims tariff for must be licensed as a "green electricity plant". Plants are licensed by the governor (§ 7 par. 1 Green Electricity Act). Obligated party:         <ul> <li>Clearing and Settlement Agency. The Clearing and Settlement Agency is obliged to the purchase of all electricity generated from renewable energy sources as long as funds are available (§ 10 Green Electricity Act). The Clearing and Settlement Agency is a private enterprise that has a state licence and is responsible for the purchase and sale of electricity from renewable sources within the territory of Austria (§§ 14, 14a-e Green Electricity Act).</li> <li>Electricity trader. The second party obligated to satisfy a claim for the feed-in tariff are the electricity traders, who are obliged to purchase the quantities of electricity assigned to them by the Clearing and Settlement Agency at the transfer price set by law (§ 19 par. 1 Green Electricity Act).</li> </ul> </li> </ul>		
Procedure	Process flow		
	Competent authority	Ministry of Economy, Family and Youth (BMWFJ)	
Flexibility Mechanism			
Distribution of costs	State		











Consumers	The costs of the support system are borne by the end users (§ 22 par. 1 Green Electricity Act).
Plant operator	
Grid operator	
European Union	
Distribution mechanism	<ul> <li>1. Support fee. On the one hand, the costs are passed on to the consumers, who have to pay a support fee.</li> <li>Consumers – grid operator. The grid operators charge all users (large-scale consumers, private households) a support fee (Zählpunktpauschale), which differs according to the level of consumption, on top of the grid use fee. The support fee must be listed separately on the bill (§ 22 par. 1 Green Electricity Act).</li> <li>Grid operator – Clearing and Settlement Agency. The grid operator is obliged to transfer the income from the support fee to the Clearing and Settlement Agency every quarter (§ 22 par. 1 Green Electricity Act). From 2007 up to and including 2012, the support fee is as follows (§ 22a par. 1 Green Electricity Act): <ul> <li>For users connected to voltage levels 1 to 4: € 15,000 per calendar year.</li> <li>For users connected to voltage level 5: € 3,300 per calendar year.</li> <li>For users connected to voltage level 6: € 300 per calendar year.</li> <li>For users connected to voltage level 7: € 15 per</li> </ul> </li> </ul>













calendar year. After 2012, the support fee will be determined by order for a period of three years (§ 22a par. 2 Green Electricity Act). 2. Revenues from sales. On the other hand, the feed-in tariff is financed from the revenues made by the Clearing and Settlement Agency from the sale of electricity from renewable sources to the electricity traders. The revenue results from the difference between the market price and the higher price electricity traders have to pay according to § 5 par. 1 no. 32 Green Electricity Act (§ 22b Green Electricity Act). Electricity traders may pass on to the final consumers the difference between the price they pay and the market price they charge. 3. Other revenues. Other costs incurred by the Clearing and Settlement Agency, like administrative costs, investments related to the execution of its tasks (e.g. reserve capacity costs), the costs of support for new technologies and energy efficiency programmes, or bonus payments for renewable energy plants fuelled by liquid biomass or biogas (§ 21 Green Electricity Act), are recovered through the following payments (§ 23 par. 2 Green Electricity Act): income earned from administrative fines other income income from interest payments.











# RES-E grid issues

### **Overview**

Overview of grid issues	In Austria, electricity from renewable sources is granted access to the grid according to the general legislation on energy and according to non-discriminatory principles. Only the use of the grid by electricity from renewable energy sources is subject to a specific order. When grid capacity is insufficient, grid operators are obliged to give priority transmission to electricity from renewable sources.
Connection to the grid	Plant operators are entitled against the grid operator to the conclusion of a contract on the connection of a power generation plant to the grid. The exact conditions are laid down in the implementing legislation of the federal states (Länder) (§ 45 no. 2 EIWOG). Renewable energy plants are not given priority for the connection to the grid.
Use of the grid	Electricity from renewable sources must be given priority transmission when grid capacity is not sufficient to meet all requests for use of the grid (§ 20 ElWOG). In general, entitlement to the use of the grid depends on the general legislation on energy and must be implemented so as not to discriminate against certain grid users.
Grid expansion	A grid user is entitled to the conclusion of a contract with the grid operator on the expansion of the grid, if this expansion is necessary to satisfy a claim for connection to the grid. The exact conditions are laid down in the implementing legislation of the individual Länder (§ 12 par. 1 ElWOG).
Statutory provisions	<ul> <li>ElWOG 2010 (General act on electricity) in connection with the related implementing acts of the federal states</li> <li>SNE-VO 2012 (Order on the calculation of the grid connection fees)</li> <li>Ökostromgesetz (Green Electricity Act)</li> </ul>













### **Basic information on legal sources**

Name of legal source (original language)	Bundesgesetz, mit dem die Organisation auf dem Gebiet der Elektrizitätswirtschaft neu geregelt wird (Elektrizitätswirtschafts- und - organisationsgesetz – ElWOG 2010)	Verordnung der Energie- Control Kommission, mit der die Tarife für die Systemnutzung bestimmt werden (Systemnutzungstarife- Verordnung 2010, SNT-VO 2010)	Verordnung der Regulierungskommission E-Control, mit der die Tarife für die Systemnutzung bestimmt werden (Systemnutzungsentgelte- Verordnung 2012, SNE-VO 2012)	Bundesgesetz, mit dem Neuregelungen auf dem Gebiet der Elektrizitätserzeugung aus Erneuerbaren Energieträgern und auf dem Gebiet der Kraft-Wärme- Kopplung erlassen werden (Ökostromgesetz - ÖSG)
Full name				
Name (English)	Federal Act providing new rules on the organisation of the electricity sector (EIWOG 2010)	Order of the E-Control commission on the calculation of charges for use of the grid (Systemnutzungstarife-Verordnung 2010, SNT-VO 2010)	Order of the E-Control commission on the calculation of charges for use of the grid (Systemnutzungsentgelte- Verordnung 2012, SNE-VO 2012)	Federal Act on the Promotion of Electricity Produced from Renewable Energy Sources (Green Electricity Act)
Abbreviated form	ElWOG 2010	SNT-VO 2010	SNE-VO 2012	Green Electricity Act
Entry into force	01.12.1998	01.01.2010	01.01.2012	24.08.2002
Last amended on	03.03.2011	01.01.2011		10.10.2011
Future amendments				











Purpose	Establishing rules for the generation, transmission, distribution and supply of electricity and the organisation of the electricity market; regulating fees related to the supply of electricity and making provisions with regard to accounting (§ 3 ElWOG).	Defining the basic principles for the calculation and distribution of the costs for use of the grid, for the criteria according to which the charges for use of the grid are to be calculated and for the amount of charges payable (§ 1 SNT-VO 2010).	This order defines the process of cost allocation and the calculation of system user fees (§ 1 SNE-VO 2010).	The act regulates the support system for electricity from renewable sources and the use of certificates of origin (§ 2).
Relevance for renewable energy	This law gives non-discriminatory grid access to renewable energy. In addition, its general rules on grid use are also applicable to renewable energy.	The rules imposed by the SNT-VO 2010 shall also be applied to the use of the grid by electricity from renewable sources.	The rules imposed by the SNE-VO 2012 shall also be applied to the use of the grid by electricity from renewable sources.	The act aims to promote renewable energy and combined heat and power only.
Link to full text of legal source (original language)	http://www.jusline.at/Elektrizita etswirtschafts-und- organisationsgesetz %28EIWOG %29.html	http://www.e- control.at/portal/page/portal/ medienbibliothek/strom/doku mente/pdfs/SNT-VO-Novelle- 2011 konsolidierte- Fassung.pdf	http://www.e- control.at/portal/page/portal/medi enbibliothek/recht/dokumente/pdf s/SNE-VO%202012%20BGBI.pdf	http://www.ris2.bka.gv.at/Geltend eFassung.wxe?QueryID=Bundesnor men&Gesetzesnummer=20002168 &TabbedMenuSelection=Bundesrec htTab
Link to full text of legal source (English)				













### **Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Federal Ministry of Economy, Family and Youth (BMWFJ), Energy and Mining Department	http://www.bmwfj.gv.at/ENERGIEUNDBERGBAU/ Seiten/default.aspx		+43 171 10 00	post@IVSL.bmwf j.gv.at
E-Control Ltd Deregulation agency	http://www.e-control.at/		+43 124 72 40	office@e- control.at
Austrian Energy Agency	http://www.energyagency.at/		+43 158 615 240	office@energyag ency.at













### **Grid issues**

### **Connection to the grid**

Abbreviated form of legal sources	<ul><li>EIWOG 2010</li><li>SNT-VO 2010</li></ul>	
Overview	the legislation of the standard A plant operator is entitled against the grid grid (general obligation to connect, § 5 properator in charge and laid down in a grid on the date on which the grid access against ibution grid that has a nominal frequency	work legislation, i.e. it does not provide detailed rules. Specific provisions are laid down in tate governments. In general, the following rules apply: disperator to the conclusion of an agreement to connect a renewable energy plant to the part of the conclusion. Specific conditions for connection are agreed upon with the grid access agreement as defined in § 7 no. 55 ElWOG. A claim for connection to the grid arises greement is concluded. A grid operator is defined as an operator of a transmission or not of 50 Hz (§ 7 no. 28 ElWOG). The detailed conditions for entitlement to connection are of the state governments and in the terms and conditions of the grid operators.
Procedure	The stages of the connection process are not defined by law. The connection process are not defined by law. The connection process are not defined by law. The connection process flow  • Application. The plant operator applies to the grid operator for connection the grid.  • Technical test. The grid operator assesses whether establishing a connection technically feasible.  • Agreement. The plant operator and the grid operator conclude a connection agreement, which is required to complete the connection process.  • Extension/reinforcement. If required, the grid is reinforced or extended.  • Connection. The plant is connected and may export electricity to the grid.	
	Deadlines	Applications for connection of a plant to the grid and for access to the grid shall be











		answered within a period of 14 days (§ 17 par. 3 no. 12 ElWOG).
	Obligation to inform	
Priority to renewable energy	( ) Priority to renewable energy	All plant operators have the same right to the connection of their plants to the grid,
(qualitative criteria)	( x ) Non-discrimination	irrespective of the energy source used (§ 40 no. 9, § 29 no. 19 ElWOG).
Capacity limits (quantitative criteria)	The contractual obligation to connect RES-E plants to the grid does not necessarily imply that grid operators also have to reinforce the grid, if this is necessary to practically allow new producers to connect to the grid. Such an obligation is not regulated in the federal and regional electricity laws. Therefore, plant operators have to conclude a contract with grid operators first, in order to claim the reinforcement.	
	State	
	Consumers	
	Grid operator	
Distribution of costs	Plant operator	The costs of connection to the grid are borne by the grid users (§ 2 SNT-VO 2010). A grid user shall be defined as every natural person, legal entity or Erwerbsgesellschaft that exports electricity to or receives electricity from a grid (§ 7 Z. 49 ElWOG). Thus the costs of the connection of a renewable energy plant are borne by the plant operator, who pays the so-called grid-access fee (§ 2 SNT-VO 2010). In addition, he has to pay fees for measurements that have to be taken during the construction, the operation and the gauging of metering devices and the collection of data (§ 9 par. 1 SNT-VO 2010).











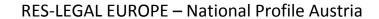
European Union	
Distribution mechanism	













### Use of the grid

Abbreviated form of legal sources	<ul><li>EIWOG 2010</li><li>SNE-VO 2012</li><li>Green Electricity Act</li></ul>		
	The grid operators are entitled to the conclusion of grid access agreements, which set out the rules for connection to and use of the grid (§ 5 par. 1 no. 2 EIWOG in conjunction with § 7 no. 55 EIWOG). A claim for the purchase and transmission of electricity arises on the date on which a grid access agreement is concluded.		
Overview	Entitled party. The entitled parties are the grid users (§ 54 par. 1 no. 2 EIWOG). A grid user is every natural person, legal entity or commercial enterprise that exports electricity to or receives electricity from a grid (§ 7 no. 49 EIWOG). In the present case, the grid users are the plant operators.  Obligated party. The obligated party is the grid operator (§ 5 par. 1 no. 2 EIWOG). Grid operators are the operators of transmission or distribution grids whose nominal frequency is 50 Hz (§ 7 no. 51 EIWOG).		
Procedure	Process flow	The Clearing and Settlement Agency is obliged to purchase and transmit all electricity from renewable sources. According to § 10 of the Green Electricity Act, this obligation to purchase is applicable only until a certain capacity is reached. The plant operators are obliged to provide additional services. These services and related terms and conditions are set out in the grid connection agreements. The grid operator may deny access to the grid only under the circumstances described by law (disruption, insufficient grid capacity, etc.) (§ 20 ElWOG).	
	Deadlines	On the national level, the obligation to give priority transmission to electricity from renewable energy sources is not subject to statutory deadlines.	
	Obligation to inform	If grid access was denied due to insufficient capacity, the grid operator shall inform the plant operator on the measures required to reinforce the grid and why these have not	











		yet been taken.
Priority to renewable energy (qualitative criteria)	( x ) Priority to renewable energy  ( ) Non-discrimination	The transmission of electricity from renewable energy sources has to be given priority over the transmission of electricity from other, non-renewable energy sources when capacity is not sufficient to meet all demands for use of the grid (§ 20 ElWOG). Apart from that, the grid operator may deny grid use to electricity from traditional energy sources to prevent electricity from renewable sources from being driven out of the market even though the price for renewable energy is in line with current market prices. In doing so, he is entitled to sell this electricity to third parties (§ 21 par. 1 ElWOG).
Curtailment	The grid operator may refuse access to the grid only in several legally defined cases, e.g. grid failures, lack of grid capacity or if RES-E would be crowded out (§ 21 par. 1 EIWOG). In these cases, the grid operators must give priority to RES-E.  In cases of dispute, the regulator has to determine whether or not the requirements for curtailment measures were fulfilled (§ 22 par. EIWOG). Grid operators have to explain the refusal in written form. In case of a curtailment due to lacking grid capacities, the grid operator has to provide information about which measures are necessary to reinforce the grid and why this has not happened yet.	
	State	
Distribution of costs	Consumers	For the transmission grid: 65 % of the costs for the use of the grid are distributed between final consumers according to the so-called "Brutto-Wälzverfahren", while the remaining 35 % are distributed according to the so-called "Netto-Wälzverfahren" (§ 2 par. 1 SNE-VO 2012).  The costs for the use of the distribution grid are distributed between final consumers according to the particular distribution grid level they are connected to (§ 2 par. 2 SNE-











	VO 2012).
Grid operator	
Plant operator	
European Union	
Distribution mechanism	













#### **Grid expansion**

Abbreviated form of legal source	<ul> <li>EIWOG 2010</li> <li>SNE-VO 2012</li> </ul>		
	A plant operator may be contractually entitled against the grid operator to the expansion of the grid, if the expansion is necessary to establish a connection to the grid. The plant operator is entitled to the conclusion of such a contract. The exact conditions are laid down in the implementing legislation of the individual Länder (§ 12 par. 1 ElWOG).		
Overview	ne grid users. A grid user is every natural person, legal entity or commercial enterprise that ity from a grid (§ 7 no. 49 ElWOG). For further information please see the implementing		
	<b>Obligated party.</b> The party obligated to expand the grid is the grid operator (§ 40 par. 1 no. 7 and. § 45 EIWOG). Further details are specified in the implementing legislation of the Länder.		
	Process flow		
Procedure	Enforcement of claims	The RES producer cannot legally demand the grid operator to develop the grid, unless the grid operator agreed to this in a separate contract. A claim for the expansion of the grid arises on the date of the conclusion of the contract.	
	Deadlines	Time limits for a possible claim for the expansion of the grid depend on the contract concluded.	
	Obligation to inform		
Regulatory incentives for grid expansion and innovation	Grid operators are obliged by national law to operate, maintain and develop the grid. In doing so they shall consider economic conditions as well as the protection of the environment (§ 40 ElWOG). Neither the national nor the regional laws, however, define a specific obligation to develop the grid in order to enable the deployment or the integration of RES-E. Therefore, the Austrian legal framework provides no instrument that would enable the regulator to take future RES deployment as a specific objective into account when regulating tariffs.		











	State		
	Consumers	Pursuant to the general provisions of energy law, the costs of the expansion of the grid are borne by the "receivers" (§ 3 SNE-VO 2012). One group of receivers are final consumers that receive electricity from the grid (§ 7 no. 14 ElWOG).	
Distribution of costs	Grid operator	Grid operators that receive electricity from the grid are also deemed to be receivers (§ 7 no. 14 ElWOG).	
	Plant operator		
	European Union		
	Distribution mechanism	The expansion of the grid is financed from the so-called grid provision fee. The grid provision fee is a once-only payment that reflects all works already carried out or paid for in advance to expand those grid levels that are actually used (§ 3 SNT-VO 2010).	
Grid studies	Every year, the transmission grid operator shall submit a 10-year grid development plan to the regulatory authority for authorisation. The development plan shall be based on the current situation and the forecasts for electricity supply and demand and help meet the future demand for grid capacity (§ 37 ElWOG 2010).		
	The current development plan for the planning period 2012-2021 is available on the following website: <a href="http://rosentaler-plattform.at/cms/wp-content/uploads/2011/12/Netzentwicklungsplan.pdf">http://rosentaler-plattform.at/cms/wp-content/uploads/2011/12/Netzentwicklungsplan.pdf</a>		











# RES-H&C support schemes

### **Summary of support schemes**

Overview	In Austria, heating and cooling from renewable energy sources is supported through an incentive scheme on the level of the individual federal states ("Länder").	
Summary of support schemes	The most substantial form of supporting small-scale RES heating and cooling is provided by the Environmental Assistance in Austria (UFI) programme. There are special investment incentives for solar thermal installations, heat pumps, geothermics and biomass heating plants.	
Technologies	<ul> <li>Solar thermal installations</li> <li>Heat pumps</li> <li>Biomass heating plants</li> <li>Geothermics</li> </ul>	
Statutory provisions	<ul><li>UFG</li><li>Guidelines 2009</li></ul>	













### **Basic information on legal sources**

Name of legal source (original language)	Umweltförderungsgesetz (BGBI. Nr. 185/1993)	Förderungsrichtlinien 2009 für die Umweltförderung im Inland	
Full name			
Name (English)	Environmental Aid Act (BGBl. No. 185/1993)	Funding Guidelines 2009 for the Environmental Assistance in Austria	
Abbreviated form	UFG	Guidelines 2009	
Entry into force	16.03.1993	01.10.2009	
Last amended on	01.01.2011		
Future amendments			
Purpose	The Environmental Aid Act regulates the support of measures to protect the environment.	The guidelines regulate the financial support of environmental protection measures foreseen by the UFG	
Relevance for renewable energy	This act also regulates the support	The guidelines also regulate the financial support of renewable	











	of renewable energy	energy measures	
Link to full text of legal source (original language)	http://www.ris.bka.gv.at/Geltende Fassung/Bundesnormen/10010755 /UFG%2c%20Fassung%20vom%20 03.04.2012.pdf	http://www.publicconsulting.at/up loads/2010_06_frderungsrichtlinie n_2009.pdf	
Link to full text of legal source (English)			













### **Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Kommunalkredit Public Consulting GmbH – Settlement Agency	www.public-consulting.at		+43(0)1-31 6 31	kpc@kommunalkredit.at
Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft / Federal Ministry of Agriculture and Forestry, Environment and Water	http://www.lebensministerium.at		(+43 1) 711 00-0	service@lebensministerium.at













### **Support schemes**

### Subsidy (Environmental Assistance in Austria - UFI)

Abbreviated form of legal source(s)	<ul><li>UFG</li><li>Guidelines 2009</li></ul>
Summary	The most substantial form of promoting small-scale RES heating and cooling is applied on the level of the individual federal states ("Länder"). There are special investment incentives for solar thermal installations, heat pumps, geothermics and biomass heating plants. The funding guidelines are published separately for each federal state; however, they do not differ in eligibility criteria and respective amounts. As an example, the funding guidelines for Vienna can be found on this website: <a href="http://www.wien.gv.at/stadtentwicklung/energieplanung/rtf/energiefoerderungen-oeffentliche.rtf">http://www.wien.gv.at/stadtentwicklung/energieplanung/rtf/energiefoerderungen-oeffentliche.rtf</a> The Environmental Aid Act (UFG) provides for the general support of schemes to protect the environment. The UFG is divided into several fields of action; incentives to use energy from RES in the heating and cooling sector are provided in the Environmental Assistance in Austria (UFI) field of action. (§ 23 par. 1 UFG in conjunction with § 4 par. 1 Guidelines 2009)  In principle, the investment grants for measures supporting the use of energy from renewable sources in the heating and cooling sector differ according to technology. Usually, a flat rate of de minimis support is calculated. "De minimis" allows for aid up to € 200,000 to be provided from public funds over a period of three years. Another option for support is the 'standard reimbursement rate' which mostly amounts to 25 % of the environment-related investment costs and can be increased through awards (sustainability and gas-cleaning awards, etc.) to a maximum of 30 %. In some cases, the application must be made before the beginning of the project and the environment-related investment costs must amount to a certain minimum sum (€ 10,000).  The granting of support requires that the applied measure (for investments > € 1 mln: the whole operating system)
	corresponds to the current state of the art and constitutes a substantial relief to the environment. (§ 5 Guidelines 2009)











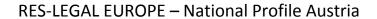
	General information	In the UFI field of action, following technology groups are eligible for support of RE heating and cooling	
	Aerothermal	Air heat pumps: see Geothermal ("heat pumps")	
	Hydrothermal	Water heat pumps: see Geothermal ("heat pumps")	
	Biogas		
Eligible technologies	Biomass	Individual biomass units up to 400 kW  Automatically stocked biomass combustion plants or log wood boilers in central heating systems for operational purposes  Additional costs (e.g. boiler house, wood chip silos, chipping machine etc.)  Individual biomass units from 400 kW  Automatically stocked biomass combustion plants or log wood boilers in central heating systems for operational purposes  Additional costs (e.g. boiler house, wood chip silos, chipping machine etc.)  Biomass CHP  Power stations including automatically stocked biomass combustion plants (feeding, combustion plant, chimney)  Boiler (steam boiler, thermal oil boiler)  Power generation (steam turbine, block heat power plant)  Building measures  Costs for implementing quality management systems	













		Geothermics
		Building and plant costs exclusively for the use of
		geothermics.
		This includes drilling, heat exchange and distribution grids,
		underground injection, cogeneration and the reuse of
		existing geothermal oil wells
		Heat pumps up to 400 kW
	Geothermal energy	Heat pump systems for operational purposes for heating, hot
		water supply, for space cooling
		These include heat pumps, heat source systems, hydraulic
		installations, system regulation
		Heat pumps from 400 kW
		Heat pump systems for operational purposes for heating, hot
		water supply, for space cooling
		These include heat pumps, heat source systems, hydraulic
		installations, system regulation
		Large solar installations
		Innovative solar thermal installations with a collector area
		between 100 and 2000 m² are eligible.
		Thermal solar installations up to 100 m <sup>2</sup>
		Solar installations for hot water supply or part solar space
	Solar Thermal	heating including casing, heat accumulators and distribution
		grids with a maximum collector area of 100 m <sup>2</sup>
		Thermal solar installations from 100 m <sup>2</sup>
		Solar installations for hot water supply or part solar space
		heating including casing, heat accumulators and the
		provision of process heat with a collector area from 100 m <sup>2</sup>









**Amount** 





#### Individual biomass units < 400 kW:

- € 120 per kW (0-50 kW), € 60 for each additional kW (51-400 kW)
- max. 30 % of investment costs

#### Individual biomass units > 400 kW:

- De minimis support:
  - Standard reimbursement rate: 20 %
  - o Awards: max. 10 %
- Support over De minimis limit:
  - o max. 40 % of investment costs
- Environment-related investment costs: minimum € 10,000

#### **Biomass CHP:**

- De minimis support:
  - Standard reimbursement rate: 10 %
  - o Awards: max. 10 %
- Support over De minimis limit:
  - o max. 40 % of investment costs
- Environment-related investment costs: minimum € 10,000

#### **Geothermics:**

- De minimis support:
  - Standard reimbursement rate: 30 %
- Support over De minimis limit:
  - o max. 40 % of investment costs

#### Heat pumps < 400 kW

- Water heat pumps: € 85 per kWth (0-80 kWth), € 45 for each additional kWth (81-400kWth)
- Air heat pumps: € 70 per kWth (0-80 kWth), € 35 for each additional kWth (81-400kWth)
- max. 30 % of investment costs

#### Heat pumps > 400 kW











	De minimis support: max. 15 %		
	Support over De minimis limit: max. 40 %		
	<ul> <li>Environment-related investment costs: minimum € 10,000</li> </ul>		
	Thermal solar installations < 100 m <sup>2</sup>		
	<ul> <li>depending on the type of collector used:</li> </ul>		
	<ul> <li>€ 100 per m2 for standard collect</li> </ul>	rors	
	o € 150 per m2 for vacuum collecto	ors	
	<ul> <li>max. 30 % of investment costs</li> </ul>		
	Thermal solar installations > 100 m <sup>2</sup>		
	De minimis support: max. 20 %		
	Support over De minimis limit: max. 40 %		
	Environment-related investment costs: minimum € 10,000		
Addressees	Support within UFI is directed primarily at natural or legal persons registered on the territory of Austria (§ 26 par. 1 UFG).		
Procedure	Process flow	<ul> <li>Application: The grant application is submitted to the settlement agency Kommunalkredit Public Consulting GmbH (KPC).</li> <li>Evaluation: The KPC assesses the application and forwards it to further evaluation to the Commission on matters of environmental assistance in Austria. (§ 28 UFG)</li> <li>Decision making: On the basis of the Commission's recommendations, the Federal Minister of Agriculture, Forestry, Environment and Water decides on each application.</li> <li>Conclusion of a contract: Following the Minister's decision, the KPC signs a contract with the applicant and is responsible for its execution.</li> </ul>	
	Competent authority	Responsible for the entire support scheme is the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water. The	











		Kommunalkredit Public Consulting GmbH is entrusted as a settlement agency with the practical development of support programmes.
Flexibility mechanism		
Distribution of costs	State	The UFI incentive scheme is finance from the budget of the Austrian Federal Ministry of Agriculture, Forestry, Environment and Water. Until 2014, the funding under the UFI amounts to € 90.238 million per year.
	Consumers	
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	











# RES-H&C grid issues

#### Overview

Overview	۰ŧ	arid	iccure
Overview	ОΤ	gria	issues

In Austria, district heating networks are managed at local level by the individual heat supply companies. In contrast to other countries with a considerable share of district heating like Denmark, there is no federal regulation providing a legal framework for the connection of RES-H plants to the heating grid. Therefore, the connection to the grid is based on the individual contract with the district heating supply company. Detailed information on the connection process can be provided by the Austrian Association of Gas- and District Heating Supply Companies (FGW).

Due to the nature of heat supply, the connection of a heat producing plant to a district heating grid is closely linked to the construction of the specific plant. The procedure of grid connection is at the same time also the procedure for grid development, since the construction of a plant must occur simultaneously with the construction (development) of the district heating grid.













### **Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Fachverband der Gas- und Wärmeversorgungsunternehmungen (FGW) / Association of Gas- and District Heating Supply Companies (FGW)	http://www.gaswaerme.at/		+43 1 513 15 880	office@gaswaerme.at
Austrian Energy Agency	http://www.energyagency.at/		+43 158 615 240	office@energyagency.at
O.Ö. Energiesparverband / Upper- Austrian Energy Saving Association	http://www.esv.or.at/		+43-732-7720-14380	office@esv.or.at











# RES-T support schemes

### **Summary of support schemes**

Overview	In Austria, the main support scheme for renewable energy sources used in transport is a quota system. This scheme obliges companies importing or producing petrol or diesel to ensure that biofuels make up a defined percentage of their annual fuel sales. Furthermore, biofuels are supported through a fiscal regulation mechanism.
Summary of support schemes	<ul> <li>Tax regulation mechanism. In Austria, petrol and diesel from a minimum content of 4.6 % resp. 6.6 % of biogenic material are subject to a lower mineral oil tax. Mineral oil solely from biogenic material and E85 are exempt from this tax.</li> <li>Biofuels quota. To ensure that biofuels make up a defined percentage of the annual fuel sales, there is a substitution obligation in force since 2005. From 2009, the substitution target amounts to 5.75 %, measured by the total fossil petrol or diesel introduced or used in the federal territory.</li> </ul>
Technologies	The tax regulation mechanism and the biofuels quota apply to biofuels only
Statutory provisions	<ul> <li>Fuel Order</li> <li>Mineral Oil Tax Act</li> <li>Bioethanol Blending Order</li> </ul>













### **Basic information on legal sources**

Name of legal source (original language)	Kraftstoffverordnung 1999	Mineralölsteuergesetz 1995	Bioethanolgemischverordnung 2007
Full name	Verordnung des Bundesministers für Umwelt, Jugend und Familie über die Festlegung der Qualität von Kraftstoffen (BGBI. II Nr. 418/1999)	Bundesgesetz, mit dem die Mineralölsteuer an das Gemeinschaftsrecht angepaßt wird (BGBl. Nr. 630/1994)	Verordnung des Bundesministers für Finanzen über die Begünstigung von Gemischen von Bioethanol und Benzin (BGBI. II Nr. 260/2007)
Name (English)	Fuel Order 1999 (BGBl. II Nr. 418/1999)	Mineral Oil Tax Act 1995 (BGBl. Nr. 630/1994)	Bioethanol Blending Order 2007 (BGBl. II Nr. 260/2007)
Abbreviated form	Fuel Order	Mineral Oil Tax Act	Bioethanol Blending Order
Entry into force	01.11.1999	01.01.1995	01.10.2007
Last amended on	03.06.2009	31.03.2012	
Future amendments			
Purpose	The Fuel Order regulates the general quality of fuels, introduced or used in Austria.	The Mineral Oil Tax Act sets the amount of the federal tax levied on mineral oil in Austria.	This order regulates the tax exemption for mixtures of bioethanol and petrol.











Relevance for renewable energy	This order also regulates the requirements for biofuels.	This act also includes tax reductions for biofuels.	This order applies to biofuels only.
Link to full text of legal source (original language)	http://www.ris.bka.gv.at/Geltende Fassung.wxe?Abfrage=Bundesnor men&Gesetzesnummer=20000212 &ShowPrintPreview=True	http://www.ris.bka.gv.at/Geltende Fassung.wxe?Abfrage=Bundesnor men%20&Gesetzesnummer=10004 908	http://www.ris.bka.gv.at/Geltende Fassung.wxe?Abfrage=Bundesnor men&Gesetzesnummer=20004426
Link to full text of legal source (English)			













### **Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Bundesministerium für Finanzen / Federal Ministry of Finance	https://www.bmf.gv.at/		(+43 1) 810 001 228	
Bundesministerium für Land- und Forstwirtschaft, Umwelt und Wasserwirtschaft / Federal Ministry of Agriculture and Forestry, Environment and Water	http://www.lebensministerium.at		(+43 1) 711 00-0	service@lebensministerium.at











### **Support schemes**

#### Tax regulation mechanism

Abbreviated form of legal source(s)	<ul> <li>Mineral Oil Tax Act</li> <li>Bioethanol Blending Order</li> </ul>	
Summary	The Mineral Oil Tax (MÖSt) in Austria is a consumption charge through which fuels from mineral oils used in road transport are charged. Petrol and diesel from a minimum content of 4.6 % resp. 6.6 % of biogenic material are subject to a lower mineral oil tax. Mineral oil solely from biogenic material and E85 are exempt from mineral oil tax.	
	General information	Subject to the tax allowance are only biofuels.
Eligible technologies	Biofuels	Tax reductions or emissions for mineral oils from biogenic materials within the scope of this federal act are:  1. bioethanol (from biomass and/or biodegradable parts of waste from produced undenatured ethanol) 2. fatty acid methyl ester (FAME, biodiesel) 3. biogas 4. biomethanol 5. biodimethylether 6. Bio-ETBE (ethyl tertiary butyl ether) 7. Bio-MTBE (methyl tertiary butyl ether) 8. synthetic biofuel (synthetic hydrocarbons yielded from biomass or synthetic hydrocarbon mix) 9. bio substances 10. pure vegetable oil
	Electricity	
	Hydrogen	











	Following fuels are subject to tax reductions or are exempt from mineral oil tax:		
	<ul> <li>Petrol containing biogenic materials of at least 4.6 % and no more than 10 mg sulfur per kg: € 0.482 per liter; otherwise</li> <li>€ 0.515 – reduction of € 0.033 per litre (§ 3 par. 1 no. 1 e Mineral Oil Tax Act).</li> </ul>		
		·	
Amount		6.6 % and no more than 10 mg sulfur per kg: € 0.397 per liter; otherwise	
	€ 0.425 – reduction of € 0.028 per litre (§ 3 par. 2	•	
	·	pt from mineral oil tax (§ 4 par. 1 No. 7 Mineral Oil Tax Act).	
	•	are of super ethanol – E85 is exempt from mineral oil tax, which equals	
	to a tax reduction of € 0.442 per litre (§ 1 par. 2 ı	no. 2 Bioethanol Blending Order).	
Addressees	<b>Entitled party:</b> End consumers of biofuels resp. fuel produ	ucers	
Procedure	Process flow		
	Competent authority	Austrian Federal Ministry of Finance	
Flexibility Mechanism			
	State	The costs of the tax exemption are borne by the state, which receives	
		lower tax revenue.	
	Consumers		
Distribution of costs	Plant operator		
	Grid operator		
	European Union		
	Distribution mechanism		









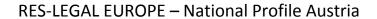














### **Biofuel quota**

Abbreviated form of legal source(s)	Fuel Order		
Summary	The European Biofuels Directive has been implemented into Austrian law within the scope of the 2004 Fuel Order Amendment. From 1 January 2009, the substitution target amounts to 5.75 %, measured by the total fossil petrol or diesel introduced or used in the federal territory.		
	General information	Subject to the obligation are only biofuels.	
Eligible technologies	Biofuels	The substitution obligation of fossil fuels with biofuels is technology- neutral. The type of biofuel and of its production technology for the meeting of targets is arbitrary.	
	Electricity		
	Hydrogen		
Amount	Amount of quota and period of application	The 2004 Amendment to the Fuel Order specified that from 1 October 2005 a 2.5 % share of biofuels or other renewable fuels must be introduced under the substitution obligation. This target value rose in October 2007 to 4.3 % and in October 2008 to 5.75 % (§ 6a par. 2 and 3 Fuel Order).  From 1 January 2009, the substitution target amounts to 5.75 %,	
		measured by the total fossil petrol or diesel introduced or used in the federal territory. To meet the overall target, at least a 3.4 % share of biofuels or other renewable fuel must be introduced or used in order to substitute fossil petrol and a share of 6.3 % to substitute fossil	











		diesel (§ 6a par. 4 Fuel Order).
	Adjustment of quotas	The quotas can be subject to further legal amendments.
	Fees and penalty charges	If biofuels do not comply with the specifications stated in § 3 Fuel Order or do not meet the substitution obligation, they may not be released for free circulation.
Addressees	The parties obliged to substitute are those who introduce tank of a vehicle.	e or export petrol or diesel to Austria for the first time, unless in the fuel
Procedure	Process flow	The party obliged to substitute must provide every year proof of the quantities of biofuels and other renewable fuels as well as of petrol and diesel fuel introduced or used by it. This proof for the period of one calendar year must arrive on 1 May at the latest of the following year at the Federal Ministry of Agriculture, Forestry, Environment and Water (§ 6a par. 5 no. 1 Fuel Order).
	Competent authority	Austrian Federal Ministry of Agriculture, Forestry, Environment and Water
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The costs are borne by the consumers.











European Union	
Others	
Distribution mechanism	The obliged companies pass on the costs arising from the quota obligation to the consumers by adding a surcharge to their fuel.











# **Policies**

### **Summary of policies**

Overview	The following policies aim at promoting the development, installation and usage of RES-installations in Austr There are four specialisation programmes for RES-installers, numerous quality standards for RES installations, agreement determining the exemplary role of public authorities, a research and technology programme and building obligation for the use of renewable heating.	
Summary of policies	<ul> <li>There are four different specialisation programmes for RES-installers:         <ul> <li>Certified heat pump installer</li> <li>Certified solar heat installer and planner</li> <li>Certified photovoltaic installer and planner</li> <li>Certified biomass heating installer</li> </ul> </li> <li>There is no single certification programme for RES installations. However, RES installations must meet certain quality standards in order to be able to be eligible for support.</li> <li>The exemplary role of public authorities is based on an agreement concluded between the Austrian federal government and the state governments.</li> <li>The subsidy programme "Neue Energien 2020" (New Energies 2020) by the Austrian Climate and Energy Fund aims at developing new technologies, initiating the industrial application of climate- and energy-related innovations and accelerating their market introduction and dissemination.</li> <li>While RE measures in industrial and commercial buildings are mainly supported at federal level through the Environmental Aid Act, RE measures for residential buildings largely fall within the sphere of competence of the federal states.</li> <li>There are investment incentives for the integration of RES in order to reinforce the small-scale regional heat supply in rural areas as well as the expansion of district heating in urban centers.</li> </ul>	











Technologies	The available support policies apply for all RES technologies	
Statutory provisions	<ul> <li>Heating and Cooling Network Expansion Act (Wärme- und Kälteleitungsbaugesetz - BGBl. I Nr. 113/2008)</li> <li>Article 15a B-VG Agreement (Art. 15a B-VG Vereinbarung - BGBl. II Nr. 251/2009)</li> <li>Environmental Aid Act (Umweltförderungsgesetz - BGBl. Nr. 185/1993)</li> <li>Climate and Energy Fund Law (Klima- und Energiefondsgesetz - KLI.EN FondsG, BGBl. I No 40/2007)</li> </ul>	













### **Basic information on legal sources**

Name of legal source (original language)	Wärme- und Kälteleitungsbaugesetz (BGBl. I Nr. 113/2008)	Art. 15a B-VG Vereinbarung (BGBl. II Nr. 251/2009)	Umweltförderungsgesetz (BGBl. Nr. 185/1993)	Klima- und Energiefondsgesetz (KLI.EN-FondsG) (BGBl. I Nr. 40/2007)
Full name	Wärme- und Kälteleitungsausbaugesetz und Änderung des Energie- Regulierungsbehördengesetzes	Vereinbarung gemäß Art. 15a. B-VG zwischen dem Bund und den Ländern über Maßnahmen im Gebäudesektor zum Zweck der Reduktion des Ausstoßes an Treibhausgasen		
Name (English)	Heating and Cooling Network Expansion Act (BGBl. I No. 113/2008)	Agreement pursuant to Article 15a. B-VG between the federation and the federal states on measures in the building sector for the purpose of reducing emissions of greenhouse gases	Environmental Aid Act (BGBI. No. 185/1993)	Climate and Energy Fund Law (KLI.EN FondsG, BGBl. I No 40/2007)
Abbreviated form	WKLG	Article 15a B-VG Agreement	UFG	KLI.EN-FondsG
Entry into force	08.08.2008	13.08.2009	16.03.1993	06.07.2007
Last amended on			01.01.2011	
Future amendments				
Purpose	The act provides a framework for increasing the district heating (and	Promoting the use of energy efficient technologies and	The Environmental Aid Act regulates the support of measures to protect the environment.	This act aims at achieving a sustainable energy supply,











	cooling) infrastructure in Austria	renewable energy in the building sector		reducing greenhouse gas emissions and implementing the Austrian climate strategy.
Relevance for renewable energy	This act also relates to renewable energy.	This agreement also regulates the use of renewable energy in the building sector.	This act also regulates the support of renewable energy	The KLI.EN-FondsG also supports activities to expand the application of renewable energy sources
Link to full text of legal source (original language)	http://www.ris.bka.gv.at/Dokumen te/BgblAuth/BGBLA_2008_I_113/B GBLA_2008_I_113.html	http://www.ris.bka.gv.at/Doku mente/BgblAuth/BGBLA_2009 II_251/BGBLA_2009_II_251.pdf	http://www.ris.bka.gv.at/GeltendeFa ssung/Bundesnormen/10010755/UF G%2c%20Fassung%20vom%2003.04. 2012.pdf	http://www.klimafonds.gv.at/asse ts/Uploads/Klimafondsgesetz/KLI. EN-fondsGBundesgesetzblatt.pdf
Link to full text of legal source (English)				













### **Further information**

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
AIT Austrian Institute of Technology GmbH	http://www.ait.ac.at		+43 (0) 50 550-6612	office@ait.ac.at
Austrian Biomass Association / Österreichischer Biomasse-Verband	http://www.biomasseverband.at		+43-1-533 07 97-0	office@biomasseverband.at
Austrian Standards Institute (ASI)	http://www.as-institute.at		+43 1 213 00	office@as-institute.at
AWISTA GmbH – settlement agency	http://www.awista.at/		+43 316 466524	office@awista.at
Austrian Climate and Energy Fund / Klima- und Energiefonds	http://www.klimafonds.gv.at/		+43 (0)1 585 03 90	office@klimafonds.gv.at













### **Policy categories**

### **Training programmes for installers**

Abbreviated form of legal source(s)	This policy is based on Article 14(3) D 2009/28/EG. This has not yet been implemented in national law.	
Description	In Austria there currently are specialisation programmes for installers in the fields:  Certified heat pump installer, Certified solar heat installer and planner, Certified photovoltaic installer and planner, Certified biomass heating installer.  Specialisation programmes for certified heat pump installers: Course duration: 5 days, 40 learning units of 45 min Validity of certificate is limited to three years. Specialisation programmes for certified solar heat installers: Course duration: 8 days, 64 learning units of 45 min Validity of certificate is limited to three years.  Specialisation programmes for certified photovoltaic installers: Course duration: 7 days, 56 learning units of 45 min Validity of certificate is limited to three years.  Specialisation programmes for certified biomass heating installers:	
	Course duration: 5 days	











	Validity of certificate is limited to three years.
	Since the offered trainings are specialisation programmes, the addressees must have certain experiences:  Certified heat pump installers:  Plumbers and fitters Planning engineers Architects Engineering firms HVAC companies Retailers  Certified solar heat installers:
Addressees	<ul> <li>Plumbers and fitters</li> <li>Planning engineers</li> <li>Roofers</li> <li>Architects</li> <li>Engineering firms</li> <li>HVAC companies</li> <li>Retailers</li> </ul>
	Certified photovoltaic installers:      Electrical engineers     Planning engineers     Roofers     Plumbers and fitters     Architects     Engineering firms     HVAC companies











	Retailers	
	Certified biomass heating installers:	
	Heating installers or persons with an equiv	valent professional degree
Competent authority	The certification of installers is carried out by the EN 18024 accredited personal certification body of the Austrian Research and Examination Centre. Austrian Institute of Technology (AIT). The biomass heating installer is accredited by the Biomass Association in collaboration with the Economic Promotion Institute.	
Further information	<ul> <li>Certified heat pump installers: http://www.ait.ac.at/research-services/research-services-energy/training-education/zertifizierter-waermepumpeninstallateur/zertifizierung/</li> <li>Certified solar heat installers: http://www.ait.ac.at/research-services/research-services-energy/training-education/zertifizierter-solarwaermeinstallateur-bzw-planer/zertifizierung/</li> <li>Certified photovoltaic installers: http://www.ait.ac.at/research-services/research-services-energy/training-education/zertifizierter-photovoltaiktechniker-bzw-planer/zertifizierung/</li> <li>Certified biomass heating installers: http://www.biomasseverband.at/seminare/inhalte-derseminarreihen/biowaerme-installateurR-2012/</li> </ul>	
	State	
Distribution of costs	Private Financing	The costs for the specialisation programmes are borne by the installers themselves.
	European Union	
	Others	













### **Certification Programmes for RES installations**

Abbreviated form of legal source(s)	
Description	In Austria, there is no single certification programme for renewable energy installations. However, RES installations must meet certain quality standards in order to be able to be entitled to promotion. These quality criteria are established by the Austrian Standards Institute in the form of Ö-Normen (Austrian standards). These standards can be categorised according to following special fields:  • Machine safety • Electrical engineering and energy management • Noise restriction • Air quality management • Fermentation / waste disposal • Water management
Addressees	
Competent authority	In general, the standards are established by the Austrian Standards Institute (ASI). Furthermore, the most important Austrian certificates are awarded by following authorities:  • Machine safety: Austrian Association of Gas and Water (ÖVGW)  • Electrical engineering and energy management: Austrian Electrotechnical Association (ÖVE)  • Noise restriction: Austrian Society for Noise Abatement (ÖAL)
Further information	Further information concerning the certification of RES installations can be found on following website: <a href="http://www.as-plus.at/certification/produktzertifizierung.html">http://www.as-plus.at/certification/produktzertifizierung.html</a>











Distribution of costs	State	
	Industry	
	System Producers	
	European Union	
	Others	













#### Exemplary role of public authorities in accordance with Art. 13 Abs, 5 RES Directive

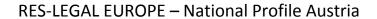
Abbreviated form of legal source(s)	Article 15a B-VG Agreement
Description	The exemplary role of public authorities is based on Art. 15a of the Austrian Federal Constitutional Law (B-VG). Pursuant to this article, the Article 15a B-VG Agreement was concluded between the Austrian federation and the federal states, which defines the measures for the purpose of reducing greenhouse gas emissions in the building sector. The contracting parties agreed that they shall exert an exemplary role in terms of a preferably energy-efficient management of the buildings used by them, including the "widest possible use of renewable energy sources". (art. 1 par. 1 Article 15a B-VG Agreement)  Furthermore, minimum heating requirements for the construction and remediation of publicly-used buildings have been defined in the agreement. However, these only take into account energy-efficiency criteria. The use of renewable energy sources is subject to the legislation of the federal states.
Addressees	Public authorities on federal and regional level
Competent authority	The implementation lies in the competence of the respective federal or local authorities
Further information	













#### **RD&D Policies**

Abbreviated form of legal source(s)	KLI.EN-FondsG
Description	With its research and technology programme "Neue Energien 2020", the Austrian Climate and Energy Fund aims at supporting the development of new technologies, initiating the industrial application of climate- and energy-related innovations and accelerating their market introduction and dissemination. The programme has a budget of 30 million euro available for non-repayable investment grants. The amount of support varies according to the respective tender.  The tenders within this programme cover following areas:  Smart Energy R&D Energy Efficiency Renewable Energy Education, Awareness Raising, Technology Transfer
Addressees	Companies  Micro and small enterprises Medium-sized enterprises Large companies  Research institutions  Universities, colleges Non-university scientific research institutions Other science-oriented organisations (e.g. interest groups, associations)











	Individual researchers
	Communities
Competent authority	Austrian Federal Climate and Energy Fund (Klima- und Energiefonds)
- u · c · ·	http://www.klimafonds.gv.at/foerderungen/aktuelle-foerderungen/2011/neue-energien-2020/
Further information	http://www.klimafonds.gv.at/assets/Uploads/Jahresprogramme/Jahresprogramm2011.pdf













### **RES-H building obligations**

Abbreviated form of legal source(s)	<ul> <li>Article 15a B-VG Agreement</li> <li>UFG</li> </ul>
	The implementation of building related measures mainly lies in local competence. However, the conclusion of the Article 15a B-VG Agreement between the Austrian federal and state governments introduced an essential step to the harmonisation and reinforcement of RE measures in the building sector. The federal state governments have for the most part already implemented the obligations according to Article 15a B-VG Agreement in their respective housing support laws.
	While RE measures are promoted in industrial and commercial buildings mainly at federal level through the Umweltförderungsgesetz (UFG – Environmental Aid Act), the development of the legislation and RE measures for residential buildings falls largely within the sphere of competence of the federal states.
Description	The support of RE measures in the building sector is provided as part of the 'Environmental Assistance in Austria' (UFI) field of action (§ 24 par. 1 UFG). The promotion under UFI is directed primarily towards Austrian companies and is in the form of financial support for investments. The amount of support is set according to the applied technology and shall not exceed 50 % of environment related investment costs. (§ 27 UFG) The applications are to be assessed by a commission on matters of environmental assistance in Austria. (§ 28 UFG)
	Since the implementation of measures in the residential building sector lies in local competence, the conditions of eligibility and the amount of support in the respective federal states are regulated differently. The promotion of measures takes place exclusively in the form of financial support for investments (most of them one-off, outright investment subsidies).
Obligated entities	Industrial and commercial buildings:











	<ul> <li>companies, businesses</li> <li>contracting companies</li> <li>non-profit associations</li> <li>charitable associations</li> <li>local public authorities, where there are market-oriented practices</li> <li>energy supply companies</li> <li>Residential buildings:</li> <li>Mostly natural persons, houseowners, tenants, owners of dwellings, authorised builders</li> <li>In some cases local authorities, legal persons or non-profit associations for residential homes and employee housing</li> </ul>
Competent authority	<ul> <li>Settlement agency: Kommunalkredit Public Consulting GmbH (KPC)</li> <li>Residential buildings:</li> <li>The support of RE measures lies in the competence of the respective local authorities</li> </ul>
Further information	
Obligation on regional level	Yes













### **Support of RES-H infrastructure**

Abbreviated form of legal source(s)	• WKLG
	The support of RES-H infrastructure in Austria is mainly based on the Heating and Cooling Network Expansion Act (WKLG), which provides a framework for increasing the district heating (and cooling) infrastructure in the country. According to this act, there are investment incentives for the integration of renewable energy sources in order to reinforce the small-scale regional heat supply in rural areas as well as the expansion of district heating in urban centers. (§ 1 par. 1 no 6 and 7 WKLG)
	Support may be granted if the following criteria are met:
Description	<ul> <li>The implementation of the investment was initiated after 1 January 2008 (§ 2 par. 1 WKLG)</li> <li>The financial feasibility of the district heating project is secured (§ 4 par. 1 WKLG)</li> <li>The project will supply district heating or cooling for at least one final consumer (§ 4 par. 2 no. 1 WKLG)</li> <li>The heat generation plants meet the criteria for energy-efficient district heating plants or use waste heat (§ 4 par. 2 no. 3 WKLG)</li> </ul>
	Funding:
	<ul> <li>The funding comes through a payment in form of a one-time capital grant and is usually carried out after completion of the funded project. (§ 5 par. 1 WKLG)</li> <li>The promotion shall not exceed 35 % in terms of total investment costs and 50 % of the environment related additional charges. (§ 5 par. 2 WKLG)</li> <li>The amount of support shall not exceed € 200,000 per megawatt. (§ 6 par. 2 WKLG)</li> <li>Annually, 60 million euro are provided for funding from federal funds. If the budget is not exhausted within a calendar year, these means shall be applied for funding in the following year (§ 7 WKLG).</li> </ul>











	<ul> <li>Application: Complete applications are to be submitted to the BMWFJ</li> <li>Examination through AWISTA: Integrity control, legal analysis, economic and technical testing, development of funding proposal</li> <li>Decision-making: Recommendation by advisory council and decision by BMWFJ</li> <li>Processing by AWISTA: Final funding agreement, review of final accounts, control of the use of funds, payment of subsidies</li> </ul>
Addressees	
Competent authority	The Federal Ministry of Economy, Family and Youth (BMWFJ) appointed the company AWISTA GmbH as settlement agency for the execution and disbursement of the grants according to the WKLG.
Further information	http://www.awista.at/ http://www.gaswaerme.at/de/pdf/10-1/rauscher_enzinger.pdf





