Resear RES LEGAL – Support system Country: Greece

1. Overview of support system

Overview of support system	In Greece, electricity from renewable sources is supported through a feed-in tariff. Furthermore, small PV systems (capacity of 10 kW or less) are eligible for a special feed-in tariff.
Support schemes	 Feed-in tariff. Law No. 3468/2006 sets standards for the guaranteed feed-in tariff. System operators are contractually entitled against the grid operator to the payment of electricity exported to the grid. The grid operator is obliged to enter into these contracts. There amount of feed-in tariff varies for each electricity generation technology. The support scheme based on regulation FEK 1079/2009 incentivises electricity generation by small PV systems (capacity of 10 kW or less) through a feed-in tariff, which is deduced from the system operator's electricity bill.
Promoted technologies	In general, all renewable electricity generation technologies are eligible for support in Greece.
Statutory provisions	 Law No. 2773/1999 Law on the liberalisation of the energy market Law No. 3468/2006 Generation of Electricity using Renewable Energy Sources and High-Efficiency Cogeneration of Electricity and Heat (Law No. 3468/2006) FEK 1079/2009 Support scheme for roof-mounted PV systems FEK 2095/2010 Resolution to set the coefficients for the tax calculation Min Res/F1/oik.17149 Procedure for the issuing of planning and operation permissions for RES

2. Basic information on legal sources

	Law No. 2773/1999.	Law No. 3468/2006	FEK 1079/2009
Name of legal source (original language)			
Name of legal source (full name)	Apeleytherosi tis agoras energeias – Rythmisi thematon energeiaki politikis kai loipes diatakseis	Nomos 3468/2006 Paragwgh Hlektrikhs Energeias apo Ananewsimes Phges Energeias kai Symparagwgh Hlektrismoy kai Thermothtas Ypshlhs Apodoshs kai loipes diatakseis	Eidiko Programma Anaptykshs Fwtoboltaikwn Systhmatwn se ktiriakes egkatastaseis kai idiws se dwmata kai steges ktiriwn
Name of legal source (English)	Law on the liberalisation of the energy market and on the regulation of issues related to energy policy	Law No. 3468/2006 Generation of Electricity using Renewable Energy Sources and High-Efficiency Cogeneration of Electricity and Heat and Miscellaneous Provisions	Joint Ministerial Decision - Special Programme "PV on Rooftops"
Abbreviated form	Law No. 2773/1999	Law No. 3468/2006	FEK 1079/2009
Entry into force	22.12.1999	25.12.2006	04.06.2009
Last amended on	22.12.2005	04.06.2010	20.09.2009
Future amendments			
Purpose	This law regulates the liberalisation of the Greek electricity market.	Transposing Directive 2001/77/EC into Greek law and promoting the generation of electricity from renewable sources in the Greek single market.	Promoting the installation of small PV systems (below 10 kW) on Rooftops
Relevance for renewable energy	This law authorises the tax for renewable energy to finance the feed-in tariff. Provision for grid connection and grid development with regard to RES systems.	This law promotes renewable energy only.	This resolution promotes electricity from renewable sources only.
Link to full text of legal source (original language)	http://www.ypeka.gr/LinkClick.aspx?fi leticket=VtweJAT%2fbGU%3d&tabid =277&language=el-GR	http://www.ypeka.gr/LinkClick.aspx?filetick et=5B5fuUXA4Ag%3d&tabid=555&languag e=el-GR	http://www.ypeka.gr/LinkClick.aspx?filetick et=mz8ssdmgKhg%3d&tabid=541

Link to full text of legal source (English)		http://www.ypeka.gr/LinkClick.aspx?filetick et=qtiW90JJLYs%3d&tabid=37	
	FEK 2095/2010	Min Ent /F1/oik.17149	
Name of legal source (original language)			
Name of legal source (full name)	Kathorismos arithmitikon timon ton synteleston tis methodologias epimerismoy toy Eidikoy Teloys toy arthroy 40, par. 3 per. g' toy n. 2773/1999 kai anaprosarmogi toy Eidikoy Teloys gia to etos 2011	Typos kai periexomeno symbaseon polisis ilektrikis energeias poy paragetai me xrisi Ananeosimon Pigon Energeias kai meso Symparagogis Ilektrismoy kai Thermothtas Ypsilis Apodosis sto Systima kai to Diasyndedemeno Diktyo kai sto Diktyo ton Mi Diasyndedemenon Nison, symfona me tis diatakseis toy arthroy 12 par. 3 toy N. 3468/2006	
Name of legal source (English)	Resolution to set the coefficients for the calculation of the tax authorised by Art. 40 Par. 3c Law No. 2773/1999 and to reivise it for the year 2011	Procedure for the issuing of planning and operation permissions for renewable energy systems	
Abbreviated form	FEK 2095/2010	Min Ent /F1/oik.17149	
Entry into force	31.12.2010	06.10.2010	
Last amended on			
Future amendments			
Purpose	This ministerial resolution determines the factors on which the extraordinary tax for renewable energy is based.	Setting the rules for the issuing of planning and operation permissions	
Relevance for renewable energy		This resolution applies to the construction and the operation of renewable energy systems.	
Link to full text of legal source (original language)	http://www.energa.com.gr/userfiles/8 2512bf2-d409-47bb-b89c- fe6717a96452/fek_ape.pdf	http://www.ypeka.gr/LinkClick.aspx?filetick et=nCH%2FZqR%2FZ%2FM%3D&tabid=5 55	

Link to full text of legal		
source (English)		

3. Further information

Institution (name)	Website	Name of contact person (optional)	Telephone number (head office)	E-mail (optional)
Centre for Renewable Energy Sources (CRES) - energy agency	http://www.cres.gr/kape/index_eng.htm		+30 210 660 33 00	cres(at)cres.gr
Greek Association of RES Electricity Producers (GAREP)	http://www.hellasres.gr/English/with-frames/my-index- 01.htm		+30 210 958 10 13	info(at)hellasres.gr
Invest in Greece Agency - investment promotion agency	http://www.investingreece.gov.gr/default.asp		+30 210 335 57 00	
Ministry of Environment, Energy and Climate Change (YPEKA)	http://www.ypeka.gr/Default.aspx?tabid=37&locale=en-US&language=el-GR		+30 210 6965 902	

4. Support schemes

4.1.Subsidy

Abbreviated form of legal		
source(s)		
Country-specific support system	Concret information	
	General information	
	Wind energy	
Duranta dita aharata di	Solar energy	
Promoted technologies	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
Amount		
Beneficiaries		
Deficitionies		
	Procedure	
Procedure		
Procedure	Competent authority	
Flexibility Mechanism		
	State	
	Consumers	
Funding	System energies	
	System operator	
	Grid operator	
	Distribution mechanism	

4.2. Loan (Name of support scheme)

General information	
Wind energy	
Solar energy	
Geothermal energy	
Biogas	
Hydro-electricity	
Biomass	
Procedure	
Competent authority	
State	
Consumers	
Grid operator	
System operator	
Distribution mechanism	
	Wind energy Solar energy Geothermal energy Biogas Hydro-electricity Biomass Procedure Competent authority State Consumers Grid operator System operator

4.3. Feed-in tariff I

Abbreviated form of legal source(s)	Law No. 3468/2006Law No. 2773/1999FEK 2095/2010		
	 Min Ent /F1/oik.17149 		
Country-specific support system	In Greece, renewable electricity generation is mainly promoted through a guaranteed feed-in tariff. Law No. 3468/2006 differentiates renewable electricity producers according to whether or not they are located on a Greek island i.e. whether or not they are connected to the mainland grid.		
	General information	All renewable electricity generation technologies are eligible.	
	Wind energy	Eligible (Art. 13 Law No. 3468/2006).	
	Solar energy	Eligible (Art. 14 Law No. 3468/2006).	
Promoted technologies	Geothermal energy	Eligible (Art. 13 Law No. 3468/2006).	
	Biogas	Eligible (Art. 13 Law No. 3468/2006).	
	Hydro-electricity	Systems with a capacity of up to 15 MW are eligible (Art. 13 Law No. 3468/2006).	
	Biomass	Eligible (Art. 13 Law No. 3468/2006).	
	General information	The feed-in tariff varies according to the energy source and amounts to the following (Chapter D Article 13 Par. 1 b), Law No. 3486/2006).	
Amount	Wind energy	 Plants ≤ 50 kW: 250 €/MWh; Plants (onshore) >50KW: 87.85€/MWh (grid connected), 99.45 €/MWh (located on islands that are not connected to the mainland grid) (Art. 13 Par. 1 Law No. 3468/2006). The tariff for electricity generated by wind energy plants with a capacity of more than 50 kW may increase by 20% if the plant is not supported by other state or EU grants (Art. 13c Law 3468/2006). 	
	Solar energy	Photovoltaic generation: • PV (10kWpeak in the residential and small enterprises sector): 550 €/MWh (Art.13 Par. 1 Law No. 3468/2006) • Systems ≤ 100 kW (Greek islands or mainland): 419.43 €/MWh. From August 2011: 394.89 €/MWh • Systems > 100 kW: 372.83 €/MWh. From August 2011: 351.01€/MWh. (Art.15 Par.1 Law No. 3468/2006). Solar energy (except photovoltaic generation): 264.85 – 284.85 €/MWh (according to technology used) (Art. 13 Par.1 Law No. 3468/2006).	
	Geothermal energy	99.45 €/MWh -150 €/MWh (according to technology used) (Art.13 Par. 1 Law No. 3468/2006). The tariff may increase by 20% if the plant is not supported by other state or EU grants (Art.13c Law No. 3468/2006).	
	Biogas	 Biogas from landfills > 2 MW – 99.45 €/MWh; 	

	1	T
		 Biogas from landfills <= 2 MW - 120 €/MWh;
		 Biogas from biomass > 3 MW – 200 €/MWh;
		 Biogas from biomass <= 3 MW – 220 €/MWh
		(Art.13 Par. 1 Law No. 3468/2006). The tariff may increase by 15% if the system is
		not supported by other state or EU grants (Art.13c Law No. 3468/2006).
		87.85 €/MWh – 220 €/MWh (Art. 13 Par. 1 Law No. 3468/2010). The tariff may
	Hydro-electricity	increase by 20% if the plant is not supported by other state or EU grants (Art.13c
		Law No. 3468/2006).
		150 €/MWh -200 €/MWh (according to system's capacity) (Art.13 Par. 1 Law No.
	Biomass	3468/2006). The tariff may increase by 15% if the system is not supported by other
		state or EU grants (Art.13c Law No. 3468/2006).
		The amount of tariff changes every year (Art. 13 Par. 6 Law No. 3468/2006). After
		the Greek regulatory authority RAE has given a recommendation, the Minister of
		Development decides to adjust the tariffs as follows:
		 The tariffs are adjusted according to the average change in electricity
		generation costs as shown in the approved financial statements of the
	General information	federal electricity producer PPC S.A.
		 If the financial statements of PPC S.A. cannot be deemed in line with
		applicable law, the tariffs will be based on 80% of the price specified in the
		consumer price index. The consumer price index is calculated annually and
		published by the Bank of Greece.
		This adjustment shall be universal and shall be applied to all tariff rates except for
		the tariff for photovoltaic energy.
	Wind energy	
		Photovoltaic systems are eligible for the following feed-in tariffs (Art. 15 Par. 1 Law
Degression		No. 3486/2006).
		• From 08/11: 394.89 € (≤100 kW and off-grid systems); 351,01 € (>100 kW)
		• From 02/12: 375.54 € (≤100 kW and off-grid systems); 333.81 € (>100 kW)
		• From 08/12: 353.55 € (≤100 kW and off-grid systems); 314.27 € (>100 kW)
		• From 02/13: 336.23 € (≤100 kW and off-grid systems); 298.87 € (>100 kW)
		• From 08/13: 316.55 € (≤100 kW and off-grid systems); 281.38 € (>100 kW)
		• From 02/14: 302.56 € (≤100 kW and off-grid systems); 268.94 € (>100 kW)
	Solar energy	• From 08/14: 293.59 € (≤100 kW and off-grid systems); 260.97 € (>100 kW)
		• From 2015: 1.4 x the average system costs of the previous year (≤100 kW
		and off-grid systems); 1.3 x the average system costs of the previous year
		(systems >100 kW).
		An additional price adjustment mechanism is planned to guarantee the security of
		the system operator's investment (Art. 15 Par. 3 Law No. 3468/2006).
		ino system operators investment (Art. 151 al. 5 Law 110. 5400/2000).

	Geothermal energy		
	Biogas		
	Hydro-electricity		
	Biomass		
Сар			
Eligibility period	The feed-in tariff is limited in time. The purchasing agreement has duration of twenty years and may be extended by agreement between the parties (Art. 12 Par. 2 Law No. 3468/2006). This additional agreement shall be concluded three months prior to the agreement's expiry date at the latest. Agreements regarding solar-thermal systems have duration of 25 years (Art.12 Par. 2 Law No. 3468/2006).		
Beneficiaries	Entitled party. The persons entitled are those system operators that hold a generation licence (Art. 12 Par. 1 Law No. 3468/2006). Under certain conditions laid down by law, the generation licence is issued by the Minister of Development, who bases his decision on the report of the Regulatory Authority for Energy (RAE) (Art. 3 Law No. 3468/2006). According to Art. 4 Paragraph 1 Law No. 3468/2006, the operators of the following systems do not require a licence: • Wind energy systems whose capacity does not exceed 100 KW • PV or solar energy systems whose capacity does not exceed 1 MWp • Geothermal systems that generate less than 0.5 MW • Biomass systems whose capacity does not exceed 1 MW. Obligated party. The persons obligated are the grid operators (§ 2 Par. 1 in connection with Art. 12 Par. 1 Law No. 3468/2006). A grid operator shall be either the Greek transmission grid operator (D.E.S.M.I.E.), if the power systems are connected to the grid, or a grid operator on an island not connected to the grid system.		
Procedure	Procedure Competent authority	 The transmission grid operator (D.E.S.M.I.E.) and the system operator conclude a contract. The system is connected to the grid. The transmission grid operator (D.E.S.M.I.E.) measures the amount of electricity the system operator exports to the grid (Art. 13 Par. 1 Law No. 3468/2006 in connection with Art. 12 Min Res /F1/oik.17149) The system operator issues an invoice to claim payment of the feed-in tariff (Art. 13 Par. 1 Law No. 3468/2006 in connection with Art. 12 Min Res /F1/oik.17149). The transmission grid operator (D.E.S.M.I.E.) shall pay the tariff within 20 days (Art. 12 Min Res /F1/oik.17149). The authority in charge of the feed-in tariff is the Greek transmission grid operator 	
		(D.E.S.M.I.E.) (Art. 1 Min Res /F1/oik.17149).	
Flexibility Mechanism		,	
Funding	State		

Consumers	The costs of the feed-in tariff system are borne by the consumers, who are obliged to pay a renewable energy tax, which is added to their electricity bills (Art. 40 Par. 3c Law No. 2773/1999). The tax for 2011 depends on the system type and varies from 0.74 to 2.49 €/MWh (FEK 2095/2010).
Grid operator	
System operator	
Distribution mechanism	The renewable energy tax is paid to the federal electricity supplier through the electricity charges. The federal supplier passes the taxes on to the grid operator who then pays out the feed-in tariffs (Art. 40 Par. 3c Law No. 2773/1999 in connection with Art. 1 Min Res /F1/oik.17149).

4.4. Feed-in tariff II (PV support scheme)

4.4. <u>reeu-iii tariii ii (r v Su</u>		
	 Law No. 2773/1999 	
Abbreviated form of legal	 FEK 1079/2009 	
source(s)	 FEK 2095/2010 	
` ,	 Min Ent /F1/oik.17149 	
		eneration by roof-top PV systems (capacity ? 10 kW) through a guaranteed feed-in
		m a system operator's electricity charges as indicated on his electricity bill. If the tariff
Country-specific support system		ctricity bill, he will receive the exceeding amount. The scheme applies to private
	individuals and small enterprises.	
	·	The scheme promotes electricity generation by small roof-mounted PV systems
	General information	(Art. 1 Par.1 FEK 1079/2009).
	Wind energy	
	•	Roof-mounted PV systems of up to10kW on the mainland and roof-top off-grid
Promoted technologies	Solar energy	systems of up to 5 kW (Art. 1 Par. 1, 2 and 3 FEK 1079/2009).
	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
	General information	
	Wind energy	
	Solar energy	0.55€ /kWh (2009-2011) (Art. 3 Par. 3 FEK 1079/2009).
Amount	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
		From 2012 to 2019, the tariff is planned to be reduced by 5% every year (Art. 3 Par.
	General information	3 FEK 1079/2009).
		Moreover, the tariff increases by 25% of the consumer price index every year. The
		consumer price index is annually calculated and published by the Bank of Greece
		(Art. 3 Par. 4 FEK 1079/2009).
Degression	Wind energy	
	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
Сар		

Eligibility period	Eligibility for the tariff is limited to 25 years (Art. 3 Par. 3 FEK 1079/2009).	
Beneficiaries	Entitled party. The persons entitled are private individuals or legal entities in the private sector and small enterprises or public legal entities and schools that own the building area on which the system is installed (Art.1 Par. 4 FEK 1079/2009). Obligated party. The company obligated is DEI (national energy supplier) or another energy supplier (Art. 3 Par. 1 FEK 1079/2009).	
Procedure	Procedure	System operators are contractually entitled against the national energy supplier to the payment of the statutory feed-in tariff for electricity supplied to the grid. The grid operator is obliged to enter into these contracts (§ 3 Par. 1 in connection with Art. 3 Par. 6 FEK 1079/2009). The national energy supplier measures the electricity exported to the grid. He sends the electricity bill to the system operators. If the feed-in tariff for the electricity produced exceeds a system operator's electricity charges, the national supplier shall pay the difference (Art. 3 Par. 6 FEK 1079/2009).
	Competent authority	The authority in charge is the national energy supplier (D.E.I.) (Art. 3 Par. 6 FEK 1079/2009).
Flexibility Mechanism		
Funding	State	
	Consumers	The costs of the support scheme are borne by the consumers, who are obliged to pay a renewable energy tax, which is added to the electricity bill (Art. 40 Par. 3c Law No. 2773/1999). The tax for 2011 depends on the system type and varies from 0.74 to 2.49 €/ MWh (FEK 2095/2010).
	Grid operator	
	System operator	
	Distribution mechanism	The renewable energy tax is paid to the federal electricity supplier through the electricity charges. The federal supplier passes all taxes on to the grid operator by transferring them to a special bank account for renewable energy (Art. 40 Par. 3c Law No. 2773/1999 in connection with Art. 1 Min Res /F1/oik.17149). In the end, the transmission grid operator pays all feed-in tariffs for roof-top PV systems to the federal supplier (Art. 3 Par. 6 FEK 1079/2009).

4.5. Premium Tariff (name of support scheme)

Abbreviated form of legal		
source(s)		
Country-specific support system		
	General information	
	Wind energy	
	Solar energy	
Promoted technologies	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
	General information	
	Wind energy	
	Solar energy	
Amount	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
	General information	
	Wind energy	
	Solar energy	
Degression	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
Сар		
Eligibility period		
Beneficiaries		
Procedure	Procedure	
	Competent authority	

Flexibility Mechanism	
Funding	State
	Consumers
	Grid operator
	System operator
	Distribution mechanism

4.4. Tenders (name of scheme)

Abbreviated form of legal		
source(s)		
Country-specific support system		
	General information	
	Wind energy	
	Solar energy	
Promoted technologies	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
	General information	
	Wind energy	
	Solar energy	
Amount	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
	General information	
	Wind energy	
	Solar energy	
Degression	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
Сар		
Eligibility period		
Beneficiaries		
Procedure	Procedure	
	Competent authority	

Flexibility Mechanism		
Funding	State	
	Consumers	
	Grid operator	
	System operator	
	Distribution mechanism	

4.5. Quota system (name of support scheme)

Abbreviated form of legal source(s)		
Country-specific support system		
	General information	
	Wind energy	
	Solar energy	
Promoted technologies	Geothermal energy	
	Biogas	
	Hydro-electricity	
	Biomass	
	Amount of quota and period of application	
	Adjustment of quotas	
Amount	Number of certificates	
7 illouit	according to technology	
	Minimum price per certificate	
	Fees and penalty charges	
	International certificate trade	
International applicability	Flexibility Mechanism	
Beneficiaries		
Procedure	Procedure	
	Competent authority	
Funding	State	

4.6. <u>Tax regulation mechanisms (name of support scheme)</u>

Abbreviated form of legal source(s)		
Country-specific support system		
Promoted technologies	General information Wind energy Solar energy Geothermal energy Biogas Hydro-electricity Biomass	
Amount		
Beneficiaries		
Procedure	Procedure Competent authority	
Flexibility Mechanism	•	
Funding	State	
	Consumers	
	Grid operator	
	System operator	
	Distribution mechanism	