



Renewable energy policy database and support – RES-LEGAL EUROPE

National profile: Italy

Client: DG Energy

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Italy – summary text

In Italy, support schemes for RES-E are managed by Gestore dei Servizi Energetici (GSE – Manager of Electricity Services). Electricity from renewable sources is mostly promoted through a combination of premium tariffs, feed-in tariffs and tender schemes. Tax regulation mechanisms are in place for investment in RES-E plants. Furthermore, Gestore dei Servizi Energetici (GSE – Manager of Electricity Services) shall manage the sale of renewable energy on request, and interested parties can make use of net-metering.

Grid operators are obliged to give priority access to renewable energy plants. They are also obliged to give priority dispatch to electricity from renewable sources. Plant operators can request the grid operator to expand the grid if the connection of a plant requires this expansion.

A tax regulation system is currently in place for the promotion of RES-H, in addition, loans are also provided for the years 2012, 2013, 2014, for new installations. District heating and cooling networks are managed at local level. A price based mechanism has also been made available for the support of RES-H installations.

Biofuels can benefit from a quota system, which is the main tool through which the 10% goal of biofuels in consumption is to be reached by 2020.

Training programmes are being developed at regional level, to be implemented until 31 December 2012. Certification of installed plants is obligatory. All new or refurbished buildings must integrate RES, with an additional 10 % to the obligation level for public buildings. A guarantee fund is in place for supporting district heating network development. In addition, loans can also be used for supporting investment in district heating infrastructure.



RES-E support schemes

Summary of support schemes

Overview	In Italy, electricity generated from renewable energy sources is promoted through a number of feed-in and premium tariffs and a tendering system. Depending on the source and the size, RES-E plant operators may be obliged to opt for a certain system or may choose between the available ones. Electricity may be sold on the free market or through “ritiro dedicato” (purchase by Gestore dei Servizi Elettrici at a guaranteed price). Under certain conditions, electricity producers can make use of “scambio sul posto” (net-metering).
Summary of support system	<ul style="list-style-type: none"> • Price regulation. Renewable energy sources in general and photovoltaic energy in particular are promoted through several kinds of feed-in and premium tariffs. Photovoltaic installations are promoted through a guaranteed payment. Other renewable technologies may be promoted under a tendering scheme, a feed-in or a premium model. Furthermore, Gestore dei Servizi Energetici (GSE) shall manage the sale of renewable energy on request, and interested parties can make use of net-metering. • Tax regulation mechanisms. Photovoltaic and wind energy plants are eligible for a reduced VAT of 10 % (instead of 20 %). This tax benefit applies to enterprises, the professions and private individuals. <p>In addition to these national incentives, Italy provides for a series of regional programmes. The Osservatorio Politiche Energetico-Ambientali Regionali e Locali and FIRE give an overview of regional support schemes (e.g. “tetti fotovoltaici” programme or regional energy programmes).</p>
Technologies	In general, all technologies used in renewable electricity generation are promoted; however, they are eligible for different incentives.
Statutory provisions	<ul style="list-style-type: none"> • DM 05/07/12 (Decreto Ministeriale 5 luglio 2012. Attuazione dell’art. 15 del decreto legislativo 3 marzo 2011 recante incentivazione della produzione di energia elettrica da impianti solari fotovoltaici (c.d. Quinto Conto Energia) - Ministerial Decree 5 July 2012. Enactment of Art 25 of Legislative Decree 28/2011 related to the incentive system for PV installations (Quinto Conto Energia)) • DM 06/07/12 (Decreto Ministeriale 6 luglio 2012. Incentivi per energia da fonti rinnovabili elettriche non fotovoltaiche - Ministerial Decree 6 July 2012. Incentives for electric renewable energy sources apart from PV). • L 99/09 (Legge 23 luglio 2009, n. 99. Disposizioni per lo sviluppo e l'internazionalizzazione delle imprese,



	<p>nonché in materia di energia – Act on the Development of the Business and Energy Sectors)</p> <ul style="list-style-type: none">• L 244/07 (Legge 24 Dicembre 2007, n. 244. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2008 – Budget Act of 2008)• DL 239/04 (Legge 23 agosto 2004, n. 239. Riordino del settore energetico, nonchè delega al Governo per il riassetto delle disposizioni vigenti in materia di energia - Act on the Reorganisation of the Energy Sector)• L 79/99 (Decreto Legislativo 16 marzo 1999, n. 79. Attuazione della direttiva 96/92/CE recante norme comuni per il mercato interno dell'energia elettrica, „Decreto Bersani“ – Decree for the Regulation of the Electricity Market)• DL 387/03 (Decreto Legislativo 29 dicembre 2003, n. 387. Attuazione della direttiva 2001/77/CE relativa alla promozione dell'energia elettrica prodotta da fonti energetiche rinnovabili nel mercato interno dell'elettricità – Decree for the Promotion of Renewable Energy)• DPR 633/72 (Decreto del Presidente della Repubblica 26 ottobre 1972 n. 633. Istituzione e disciplina dell'imposta sul valore aggiunto – Act on the Value-Added Tax)• DM 18/12/08 (Decreto 18 dicembre 2008. Incentivazione della produzione di energia elettrica da fonti rinnovabili. “Decreto Rinnovabili” – Decree on Renewable Energy)• DM 14/03/03 (Decreto 14 marzo 2003. Attivazione del mercato elettrico, limitatamente alla contrattazione dei certificati verdi – Decree on the Green Certificates)• AEEG 34/05 (Delibera n. 34/05. Modalità e condizioni economiche per il ritiro dell'energia elettrica – Conditions on Electricity Supply to the Grid)• AEEG 280/07 (Delibera n. 280/07. Modalità e condizioni tecnico-economiche per il ritiro dell'energia elettrica – Conditions on Electricity Imports to the Grid)• ARG/elt 199/11 (Delibera n. 199/11. Testo integrato delle disposizioni dell'Autorità per l'energia elettrica e il gas per l'erogazione dei servizi di trasmissione, distribuzione e misura dell'energia elettrica per il periodo di regolazione 2012-2015 e disposizioni in materia di condizioni economiche per l'erogazione del servizio di connessione – Resolution on the Transmission and Distribution of Electricity)• ARG/elt 74/08 (Deliberazione 3 giugno 2008 - ARG/elt 74/08. Testo integrato delle modalità e delle condizioni tecnico-economiche per lo scambio sul posto. “TISP” – Conditions for Net Metering)• DM 11/04/08 (Criteri e modalità per incentivare la produzione di energia elettrica da fonte solare mediante cicli termodinamici – criteria to incentivise production of electric energy from solar sources through thermodynamic cycles)• ARG/elt 95/08 (attuazione del decreto del Ministro dello Sviluppo Economico, di concerto con il Ministro dell'Ambiente e della Tutela del Territorio e del Mare 11 aprile 2008, ai fini dell'incentivazione della
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	<p>produzione di energia elettrica da fonte solare mediante cicli termodinamici – enactment of DM 11/04/08)</p> <ul style="list-style-type: none">• DL 28/11 (Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE - Legislative Decree 3 March 2011, no. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and repealing Directives 2001/77/CE and 2003/30/CE)• 343/2012/R/efr (Definizione delle modalità per il ritiro, da parte del Gestore dei Servizi Energetici S.p.A. - GSE, dell'energia elettrica immessa in rete dagli impianti che accedono all'incentivazione tramite le tariffe fisse onnicomprensive. Definizione delle modalità di copertura delle risorse necessarie per l'erogazione degli incentivi previsti dai medesimi decreti interministeriali - Definition of modalities for the intake, on the side of GSE, of electricity fed in the grid by plants incentivised by means of the "tariffa onnicomprensiva". Definition of the modalities for cost coverage of the incentives)• DM 24/10/05 (Decreto Ministeriale 24 Ottobre 2005: Direttive per l'emissione dei certificati verdi ex legge 239/2004 alle produzioni di energie per teleriscaldamento – Ministerial Decree 24 October 2005: modalities for the emission of green certificates according to law 239/2004)
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Basic information on legal sources

Name of legal source (original language)	Decreto Ministeriale 5 luglio 2012. Attuazione dell'art. 15 del decreto legislativo 3 marzo 2011 recante incentivazione della produzione di energia elettrica da impianti solari fotovoltaici (c.d. Quinto Conto Energia)	Decreto Ministeriale 6 luglio 2012. Incentivi per energia da fonti rinnovabili elettriche non fotovoltaiche	Legge 23 luglio 2009, n. 99. Disposizioni per lo sviluppo e l'internazionalizzazione delle imprese, nonché in materia di energia
Full name			
Name (English)	Ministerial Decree 5 July 2012. Enactment of Art 25 of Legislative Decree 28/2011 related to the incentive system for PV installations (Quinto Conto Energia)	Ministerial Decree 6 July 2012. Incentives for electric renewable energy sources apart from PV.	Act of 23 July 2009. Provisions for the development and the internationalisation of enterprises and the energy sector
Abbreviated form	DM 05/07/12	DM 06/07/12	L 99/09
Entry into force	05.07.2012	06.07.2012	31.07.2009
Last amended on			29.12.2012
Future amendments			
Purpose	This act establishes a new premium tariff for PV installations	This act establishes new incentives for renewable energy sources that will substitute the quota system currently in place.	This act aims to reform existing incentives and provide new incentives for enterprises, especially for enterprises in the energy sector.
Relevance for renewable energy			Art. 27 and 42 introduce new regulations on the existing support



			schemes for electricity from renewable sources.
Link to full text of legal source (original language)	http://www.sviluppoeconomico.gov.it/index.php?option=com_content&view=article&viewType=1&idarea1=593&idarea2=0&idarea3=0&idarea4=0&andor=AND&sectionid=0&andorcat=AND&partebassaType=0&idareaCalendario1=0&MvediT=1&showMenu=1&showCat=1&showArchiveNewsBotton=0&idmenu=2263&id=2023797	http://www.sviluppoeconomico.gov.it/index.php?option=com_content&view=article&viewType=1&idarea1=593&idarea2=0&idarea3=0&idarea4=0&andor=AND&sectionid=0&andorcat=AND&partebassaType=0&idareaCalendario1=0&MvediT=1&showMenu=1&showCat=1&showArchiveNewsBotton=0&idmenu=2263&id=2023799	http://www.parlamento.it/parlam/leggi/09099l.htm
Link to full text of legal source (English)			



Name of legal source (original language)	Legge 24 Dicembre 2007, n. 244. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2008	Legge 23 agosto 2004, n. 239. Riordino del settore energetico, nonchè delega al Governo per il riassetto delle disposizioni vigenti in materia di energia. („Legge Marzano“)	Decreto Legislativo 16 marzo 1999, n. 79. Attuazione della direttiva 96/92/CE recante norme comuni per il mercato interno dell'energia elettrica. „Decreto Bersani“
Full name			
Name (English)	Act No. 244 of 24 December 2007. Provisions on the formation of the annual budget. Budget Act of 2008	Act No. 239 of 23rd August 2004 on the reorganisation of the energy sector and the review of existing provisions in the field of renewable energy by the government.	Legislative Decree No. 79 of 16 March 1999 implementing European Directive 96/92/EC Concerning Common Rules for the Internal Market in Electricity. “Decreto Bersani
Abbreviated form	L 244/07	L 239/04	DL 79/99
Entry into force	01.01.2008	28.09.2004	01.04.1999
Last amended on	29.12.2012	26.01.2012	26.06.2012
Future amendments			
Purpose	Budget act of 2008	This act mainly defines the rights and duties of the state as regards renewable energy and establishes regulations on fossil fuels.	Liberalising the energy market.
Relevance for renewable energy	Article 2, paragraphs 143 to 176 of the Budget Act introduces changes in the promotion of electricity from renewable	Article 41 includes provisions for Feed-in tariff II.	The decree is the legal basis for the promotion of renewable energy through the quota system. It stipulates that producers and importers shall feed a



	sources and its supply to the grid.		certain quota of electricity from renewable sources to the grid from 2001 onwards. They can either produce this electricity themselves or purchase it. Furthermore, the decree includes provisions on access to the grid.
Link to full text of legal source (original language)	http://www.parlamento.it/parlam/leggi/07244l.pdf	http://www.parlamento.it/parlam/leggi/04239l.htm	http://www.camera.it/parlam/leggi/del/eqhe/testi/99079dl.htm
Link to full text of legal source (English)			



Name of legal source (original language)	Decreto Legislativo 29 dicembre 2003, n. 387. Attuazione della direttiva 2001/77/CE relativa alla promozione dell'energia elettrica prodotta da fonti energetiche rinnovabili nel mercato interno dell'elettricità.	Decreto del Presidente della Repubblica 26 ottobre 1972 n. 633 e successive modificazioni ed integrazioni. Istituzione e disciplina dell'imposta sul valore aggiunto	Decreto Ministeriale 18 dicembre 2008. Incentivazione della produzione di energia elettrica da fonti rinnovabili, ai sensi dell'articolo 2, comma 150, della legge 24 dicembre 2007, n. 244 – „Decreto Rinnovabili“
Full name			
Name (English)	Legislative Decree of 29 December 2003 implementing European Directive 2001/77/EC on the promotion of electricity produced from renewable energy sources in the internal electricity market	Decree No. 633 of the President of the Republic as of 26 October 1972 and subsequent amendments and addenda. Implementation and regulation of the value added tax.	Ministerial Decree of 18 December 2008 on the promotion of renewable electricity generation according to art. 2 par. 150 of L 244/07
Abbreviated form	DL 387/03	DPR 633/72	DM 18/12/2008
Entry into force	15.02.2004	06.11.1972	02.01.2009
Last amended on	24.01.2012	25.01.2013	
Future amendments			
Purpose	Implementing EU directive 2001/77/EC and promoting renewable energy.	Act on the value-added tax	Promoting renewable electricity generation.
Relevance for renewable energy	The decree creates a basic framework for the promotion of renewable energy. It establishes an observatory for renewable energy (Osservatorio nazionale sulle fonti rinnovabili e l'efficienza negli usi finali	Table A, Part 3, 127-quinquies provides for a reduction in the VAT for photovoltaic installations and wind energy plants.	This decree introduces changes to the existing support system for electricity from renewable sources.



	dell'energia).		
Link to full text of legal source (original language)	http://efficienzaenergetica.acs.enea.it/doc/dlqs_387-03.pdf	http://www.unisi.it/ammin/uff-raqi/Fisco/DPR633-72.htm	http://www.camera.it/temiap/dm%202008-12-18.pdf
Link to full text of legal source (English)			



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Name of legal source (original language)	Decreto Ministeriale 14 marzo 2003. Ministero delle Attività Produttive. Attivazione del mercato elettrico, limitatamente alla contrattazione dei certificati verdi	Delibera n. 34/05. Modalità e condizioni economiche per il ritiro dell'energia elettrica di cui all'articolo 13, commi 3 e 4, del decreto legislativo 29 dicembre 2003, n. 387, e al comma 41 della legge 23 agosto 2004, n. 239	Delibera n. 280/07. Modalità e condizioni tecnico-economiche per il ritiro dell'energia elettrica ai sensi dell'articolo 13, commi 3 e 4, del decreto legislativo 29 dicembre 2003, n. 387/03, e del comma 41 della legge 23 agosto 2004, n. 239/04
Full name			
Name (English)	Ministerial Decree of 14 March 2003 on the trade of green certificates.	Resolution No. 34/05. Modalities and economic conditions on the grid import of renewable energy.	Regulation No. 280/07. Technical and economic provisions on the grid import of electric energy.
Abbreviated form	DM 14/03/03	AEEG 34/05	AEEG 280/07
Entry into force	20.03.2003	01.03.2005	01.01.2008
Last amended on		06.12.2007	22.11.2012
Future amendments			Annual price adjustments
Purpose	This decree regulates the trade of green certificates via the GME (Gestore Mercato Elettrico).	This resolution regulates the import of electricity by the grid operator.	Amendment of Annex A of L 239/04
Relevance for renewable energy	The decree regulates the trade of green certificates between electricity producers.	This regulation includes provisions on the grid import of electricity generated from renewable energy sources.	This resolution establishes indirect access to the market and a price regulation system.
Link to full text of legal source	http://www.interno.it/dip_ps/dia/normativ	http://www.autorita.energia.it/it/docs/05/0	http://www.autorita.energia.it/it/docs/07/



(original language)	<u>e/di%2014%20marzo%202003.pdf</u>	<u>34-05.htm</u>	<u>280-07.htm</u>
Link to full text of legal source (English)			



Name of legal source (original language)	Delibera n. 199/11. Testo integrato delle disposizioni dell'Autorità per l'energia elettrica e il gas per l'erogazione dei servizi di trasmissione, distribuzione e misura dell'energia elettrica per il periodo di regolazione 2012-2015 e disposizioni in materia di condizioni economiche per l'erogazione del servizio di connessione	Decreto Ministeriale 24 Ottobre 2005: Direttive per l'emissione dei certificati verdi ex legge 239/2004 alle produzioni di energie per teleriscaldamento	Delibera 3 giugno 2008 - ARG/elt 74/08. Testo integrato delle modalità e delle condizioni tecnico-economiche per lo scambio sul posto (TISP)
Full name			
Name (English)	Regulation No. 199/11. Consolidated text of the provisions of AEEG on the supply of electricity through transmission, distribution and metering services in the period from 2012 to 2015 and the provisions on the economic conditions for connection services.	Ministerial Decree 24 October 2005: modalities for the emission of green certificates according to law 239/2004)	Resolution of 3 June 2008 - ARG/elt 74/08. Consolidated text on the technical and economic requirements for net metering/scambio sul posto
Abbreviated form	ARG/elt 199/11	DM 24/10/05	ARG/elt 74/08
Entry into force	30.12.2011	24.10.2005	09.07.2008
Last amended on	01.02.2013	24.10.2005	19.12.2011
Future amendments			
Purpose	Conditions on the transmission and distribution of energy and the connection	This decree establishes the modalities under which green certificates are granted and	This regulation contains detailed provisions on



	of plants to the grid.	collected.	net metering (Scambio Sul Posto).
Relevance for renewable energy	Funding of the plant for the promotion of renewable energy as set out in the "Conto per nuovi impianti da fonti rinnovabili e assimilate"	Management of green certificates	<p>This regulation contains detailed provisions on net metering (Scambio Sul Posto).</p> <p>On 04/02/2009, a transitional provision on net metering came into force:</p> <p>"Delibera ARG/elt 184/08. Disposizioni transitorie in materia di scambio sul posto di energia elettrica."</p>
Link to full text of legal source (original language)	http://www.autorita.energia.it/it/docs/11/199-11arq.htm	http://www.reteambiente.it/normativa/8723/	http://www.autorita.energia.it/it/docs/08/074-08arq.htm
Link to full text of legal source (English)			



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Name of legal source (original language)	Decreto Ministeriale 11 Aprile 2008	Delibera 95/08	Decreto Legislativo 3 marzo 2011, n. 28.
Full name	Decreto Ministeriale 11 Aprile 2008, Criteri e modalità per incentivare la produzione di energia elettrica da fonte solare mediante cicli termodinamici	Delibera 95/08, attuazione del decreto del Ministro dello Sviluppo Economico, di concerto con il Ministro dell'Ambiente e della Tutela del Territorio e del Mare 11 aprile 2008, ai fini dell'incentivazione della produzione di energia elettrica da fonte solare mediante cicli termodinamici	Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE
Name (English)	Ministerial Decree 11 April 2008, criteria to incentivise production of electric energy from solar sources through thermodynamic cycles	Deliberation 95/08, enactment of DM 11/04/08	Legislative Decree 3 March 2011, no. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and repealing Directives 2001/77/CE and 2003/30/CE
Abbreviated form	DM 11/04/08	ARG/elt 95/08	DL 28/11
Entry into force	30.04.2008	18.07.2008	29.03.2011
Last amended on	06.07.2012		29.12.2012
Future amendments			
Purpose	To incentivise production of electric energy from solar sources.	To incentivise production of electric energy from solar sources.	To define instruments, mechanisms, incentives and the institutional, financial and legal frameworks necessary for achieving the 2020 goals as regards the total quota of renewable energy in final



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			consumption and in transports. This legislative decree is the framework for changes in the Italian support schemes.
Relevance for renewable energy	To incentivise production of electric energy from solar sources.	To incentivise production of electric energy from solar sources.	This decree initiates changes in the support schemes for renewable energy in Italy, including some related to RES H&C networks.
Link to full text of legal source (original language)	http://www.reteambiente.it/normativa/1437/	http://www.autorita.energia.it/it/docs/08/095-08arq.htm	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2011-03-28&atto.codiceRedazionale=011G0067&currentPage=1
Link to full text of legal source (English)			



Name of legal source (original language)	Delibera 343/2012/R/efr		
Full name	Definizione delle modalità per il ritiro, da parte del Gestore dei Servizi Energetici S.p.A. - GSE, dell'energia elettrica immessa in rete dagli impianti che accedono all'incentivazione tramite le tariffe fisse onnicomprensive. Definizione delle modalità di copertura delle risorse necessarie per l'erogazione degli incentivi previsti dai medesimi decreti interministeriali		
Name (English)	Definition of modalities for the intake, on the side of GSE, of electricity fed in the grid by plants incentivised by means of the "tarifa onnicomprensiva". Definition of the modalities for cost coverage of the incentives.		
Abbreviated form	343/2012/R/efr		
Entry into force	02.08.2012		
Last amended on	22.11.2012		
Future amendments			
Purpose	To define modalities for electricity intake and coverage of costs for support schemes		



Relevance for renewable energy			
Link to full text of legal source (original language)	http://www.autorita.energia.it/it/docs/12/343-12.htm		
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)
Ministero dello Sviluppo Economico – Ministry of Economic Development	http://www.sviluppoeconomico.gov.it		+39 06 47051	urp@sviluppoeconomico.gov.it
Ministero dell'Ambiente e della Tutela del Territorio e del Mare – Ministry of Environment	http://www.minambiente.it/		+39 065 72 21	URP@minambiente.it
Autorità per l'energia elettrica e il gas (AEEG) – Regulatory Authority for Electricity and Gas	http://www.autorita.energia.it/it/inglese/index.htm		+39 02655651	info@autorita.energia.it
Agenzia delle Entrate – Tax Agency	www.agenziaentrate.gov.it		+39 06 96668933	
Gestore Servizi Energetici - GSE	http://www.gse.it/		+39 06.8011.43.88	rinnovabili@gse.it
Terna S.p.A. Rete Elettrica Nazionale – transmission grid operator	http://www.terna.it/default/home_en.aspx		+39 068 313 81 11	info@terna.it
APER – Associazione Produttori di energie rinnovabili – Association of renewable energy producers	http://www.aper.it/		+39 02 6692 673	info@aper.it
Legambiente per le Energie Rinnovabili – Association for the promotion of renewable energy	http://www.fonti-rinnovabili.it/		+39 056 448 771	info@fontirinnovabili.it



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Federazione Italiani Produttori di Energia da Fonti Rinnovabili (Fiper) – Italian Producer of Renewable Energy Federation	http://www.fiper.it/en.html		+39 034 270 62 78	info@fiper.it
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Support schemes

Feed-in tariff I (tariffa onnicomprensiva)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DM 06/07/12 ARG/elt 199/11 343/2012/R/efr 	
Contact Authority	GSE	
Summary	All plants except for PV plants with an installed power between 1kW and 1 MW are entitled to choose this feed-in tariff in alternative to the premium tariff (Art. 7, c. 4 DM 06/07/12). Depending on their size, plants may access this scheme directly or after undergoing listing in a register with capacity limits set per year.	
Eligible technologies	General information	All RES-E sources with an installed capacity between 1 kW and 1 MW apart from PV are eligible (Art. 3, c. 1, DM 06/07/12). RES-E plants can access incentives either directly or after being listed in a register, depending on their source and size, or on specific requirements listed in Art 4, c. 1-3 DM 06/07/12.
	Wind energy	<p>Eligible for capacities between 1 kW and 1 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 60 kW can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 60 kW and 1 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
	Solar energy	Not eligible (Art. 3, c. 1, DM 06/07/12)
	Geothermal energy	Eligible for capacities between 1 kW and 1 MW (Art. 3 and 4, DM 06/07/12)



	Biogas	<p>Eligible for capacities between 1 kW and 1 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 100 kW can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 100 kW and 1 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
	Hydro-power	<p>Eligible for capacities between 1 kW and 1 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 50 kW (250 kW for the cases listed in Art. 4, c. 3, l. a DM 06/07/12) can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 50 kW (250 kW) and 1 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
	Biomass	<p>Eligible for capacities between 1 kW and 1 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 200 kW can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 200 kW and 1 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
Amount	General information	<p>The tariff (To) is determined by the following formula:</p> <p>To = Tb + Pr</p>



		<ul style="list-style-type: none">Tb: the tariffs indicated by source in Annex 1 DM 06/07/12, inclusive of the planned degression of 2% a year (Annex 1 DM 06/07/12 in conjunction with Art. 7, c. 1 DM 06/07/12).Pr: premiums or bonuses that may be granted to the plant. <p>(Annex 1 DM 06/07/12)</p>								
	Wind energy	<p>Onshore</p> <table><tr><th>Capacity (kW)</th><th>Tariff (€/MWh)</th></tr><tr><td>1-20</td><td>291</td></tr><tr><td>20-200</td><td>268</td></tr><tr><td>200-1000</td><td>149</td></tr></table> <p>Offshore: € 176 per MWh-</p> <p>(Annex 1 DM 06/07/12)</p>	Capacity (kW)	Tariff (€/MWh)	1-20	291	20-200	268	200-1000	149
	Capacity (kW)	Tariff (€/MWh)								
	1-20	291								
	20-200	268								
	200-1000	149								
	Solar energy									
Geothermal energy	€ 135 per MWh (Annex 1 DM 06/07/12)									
Biogas	Tariffs range between € 140 and € 236 per MWh. They are granted for a period of 20 years (Annex 1 DM 06/07/12).									
Hydro-power	<p>Conventional: € 101 per MWh (Annex 1 DM 06/07/12)</p> <p>Run of river</p> <table><tr><th>Capacity (kW)</th><th>Tariff (€/MWh)</th></tr><tr><td>1-20</td><td>257</td></tr><tr><td>20-500</td><td>219</td></tr><tr><td>500-1000</td><td>155</td></tr></table>	Capacity (kW)	Tariff (€/MWh)	1-20	257	20-500	219	500-1000	155	
Capacity (kW)	Tariff (€/MWh)									
1-20	257									
20-500	219									
500-1000	155									



		Wave and tidal: € 300 per MWh. (Annex 1 DM 06/07/12)
	Biomass	Tariffs range between € 180 and € 257 per MWh depending on size and source. They are granted for a period of 20 years (Annex 1 DM 06/07/12).
Degression	General information	The degression rate from 2014 onwards is set at 2% (Art. 7, c. 1 DM 06/07/12), however other tariffs may be set by a separate decree (Art. 3, c. 4 DM 06/07/12)
	Wind energy	
	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Cap		
Eligibility period	<p>Tariffs are granted for different periods of time, depending on the source (Annex 1 DM 06/07/2012)</p> <ul style="list-style-type: none"> • Wind, Onshore: 20 years • Wind, Offshore: 25 years • Geothermal: 20 years 	



	<ul style="list-style-type: none">• Biogas: 20 years• Hydro, Conventional: 20 years• Hydro, Run of river: 20 years• Hydro, Wave and tidal: 15 years• Biomass: 20 years													
Addressees	Entitled party. Plant operators. Obligated party. GSE (Art. 7, c. 4-5, DM 06/07/12)													
Procedure	Process flow	1 – Registration (optional) Depending on their capacity, plants may need to be listed in a register to access incentives (Art. 4, c. 1 and 3 DM 06/07/12). Every year, before 31 March, GSE publishes a tender for the whole capacity for the coming year. The window for registration is open for sixty days (Art. 9, c. 2, DM 06/07/12). Together with the request for being listed in the register, plant operators must forward an amount to GSE for covering administrative expenses, as outlined in the table below. <table><tr><th>Capacity (kW)</th><th>Amount (€)</th></tr><tr><td>1-50</td><td>100</td></tr><tr><td>50-200</td><td>180</td></tr><tr><td>200-1.000</td><td>600</td></tr><tr><td>1.000-5.000</td><td>1.420</td></tr><tr><td>Above 5.000</td><td>2.300</td></tr></table> (Art. 21, c. 2-3, DM 06/07/12). Sixty days after registration has been closed, GSE publishes the list of admitted plants, according to the ranking criteria listed in Art. 10, c. 3 DM 06/07/12.	Capacity (kW)	Amount (€)	1-50	100	50-200	180	200-1.000	600	1.000-5.000	1.420	Above 5.000	2.300
Capacity (kW)	Amount (€)													
1-50	100													
50-200	180													
200-1.000	600													
1.000-5.000	1.420													
Above 5.000	2.300													

After being notified of having been listed in the register, plant operators must have their plants enter into function within the following time limits (Art. 11, c. 1, DM 06/07/12):

Source	Months
Onshore wind	16
Offshore wind	22
Hydro (conventional)	28 (36 in some cases)
Geothermal	28
Biomass	16-28 depending on source
Hydro (tidal and wave)	36

In case of delays, the tariff the plants will receive is cut of 0.5% for every month of delay, to a maximum of 12 months, after which the plant will be erased from the register. Plant operators may ask, before 12 months after the set deadline for construction, to access incentives at a later stage. In this case, the tariff will be reduced of 15% (Art. 11, c. 2-3 DM 06/07/12).

2 – Access to the incentive system

Within 30 days after the plant has entered into function and has been listed by the grid operator under a separate online register (GAUDI), the plant operator must provide GSE with the documentation listed in Annex 3 DM 06/07/12. 90 days after receiving this documentation, GSE ensures to the plant operator the signing of the contract and the access to the incentive system (Art. 21, c. 1, DM 06/07/12). Incentives are provided from the GSE to the plant operator every month (Art.



		22, c. 1 DM 06/07/12).
	Competent authority	GSE (Art. 7, c. 4-5, DM 06/07/12)
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The costs of the tariff are borne by the consumers via the electricity bill through the A3 component of the bill itself (the amount devoted to support schemes for RES-E).
	Plant operator	Plants are required to pay unbalancing fees, in case of unbalances as well as possible additional expenses incurred by GSE for selling the plant's electricity on the intra-day market. In the opposite case (possible additional revenues obtained by GSE), the revenues are transferred back to the plant operator (Art. 5.3 Annex A 343/2012/R/efr). Plant operators must correspond to GSE € 0.05 cents per each kWh that receives the incentive for covering administrative costs (Art. 21, c.5 DM 06/07/12).
	Grid operator	
	European Union	
	Distribution mechanism	Consumers pay the electricity bill to distribution grid operators. Grid operators transfer the A3 component (the amount devoted to support schemes for RES-E) of the bill to GSE (Art. 40 Annex A ARG/elt 199/11) through the Fund for the Promotion of Renewable Energy Plants (Conto per nuovi impianti da fonti rinnovabili ed assimilate). The fund is managed by GSE (Gestore Servizi Energetici), which uses the money to cover the costs arising from the tariff (Art. 49.2v-aa Annex A ARG/elt 199/11).



Feed-in tariff II (Ritiro dedicato)

Abbreviated form of legal source(s)	<ul style="list-style-type: none">• L 239/04• DL 387/03• DM 05/07/12• DM 06/07/12• AEEG 34/05• AEEG 280/07• ARG/elt 199/11	
Contact Authority	GSE	
Summary	<p>"Ritiro Dedicato" is the regulation of the sale of electricity in Italy rather than a "classical" feed-in tariff. GSE (Gestore Servizi Energetici) manages the sale on behalf of the producers, who thus need not sell their energy on the free market in person. For this reason, GSE can be considered a mediator between the producers and the market. This system enables renewable energy to access the market indirectly and more easily. Producers of up to 2,000,000 kWh of electricity from renewable sources may choose between the minimum tariff (prezzo minimo garantito) determined by the energy authority and the market prices (Art. 7 AEEG 280/07 in connection with Art. 4 AEEG 34/05). If production exceeds 2.000.000 kWh, the surplus is subject to the market price (Art. 7 AEEG 280/07). Ritiro dedicato is not eligible for plants that benefit from Conto Energia (Art. 12, c.5, DM 05/07/12) or from the Premium Tariff II, the Tendering scheme or the Tariffa Omnicomprensiva (Art. 7, c. 7 DM 06/07/12)</p>	
Eligible technologies	General information	All technologies are eligible (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).
	Wind energy	Eligible (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).
	Solar energy	Eligible (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).
	Geothermal energy	Eligible (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).
	Biogas	Eligible below a capacity of 10 MVA (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).



Amount	Hydro-power	Wave and tidal power stations and run-of-river plants are eligible (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).
	Biomass	Eligible (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).
	General information	The amount of payment decreases with increasing output (Art. 7 par. 5 AEEG 280/07).
	Wind energy	<ul style="list-style-type: none"> For outputs up to 2,000,000 kWh: € 76.2 € per MWh (Art. 7 par. 5 AEEG 280/07). For outputs above 2,000,000 kWh: Market price (Art. 7 par. 2 AEEG 280/07).
	Solar energy	<ul style="list-style-type: none"> For outputs up to 3,750 kWh: € 100 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs between 3,750 and 25,000 kWh: € 90 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs between 25,000 and 2,000,000 kWh: € 76.2 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs above 2,000,000 kWh: Market price (Art. 7 par. 2 AEEG 280/07).
	Geothermal energy	<ul style="list-style-type: none"> For outputs up to 2,000,000 kWh: € 76.2 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs above 2,000,000 kWh: Market price (Art. 7 par. 2 AEEG 280/07).
	Biogas	<ul style="list-style-type: none"> For outputs up to 2,000,000 kWh: € 113 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs above 2,000,000 kWh: Market price (Art. 7 par. 2 AEEG 280/07).
	Hydro-power	<ul style="list-style-type: none"> For outputs up to 250,000 kWh: € 150 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs between 250,000 and 500,000 kWh: € 95 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs between 500,000 and 1,000,000 kWh: € 82 per MWh (Art. 7 par. 5 AEEG 280/07).



		<ul style="list-style-type: none"> For outputs between 1,000,000 and 2,000,000 kWh: € 76.2 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs above 2,000,000 kWh: Market price (Art. 7 par. 2 AEEG 280/07).
	Biomass	<ul style="list-style-type: none"> For outputs up to 2,000,000 kWh: € 113 per MWh (Art. 7 par. 5 AEEG 280/07). For outputs above 2,000,000 kWh: Market price (Art. 7 par. 2 AEEG 280/07).
Degression	General information	Only the statutory minimum tariff is subject to adjustments. This tariff is re-assessed every year and is based on the ISTAT's (office for statistics') calculation of the consumption costs of families of workers and employees (Art. 7 par. 5 AEEG 280/07).
	Wind energy	
	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Cap		
Eligibility period	The guaranteed minimum prices are applicable for one year (Art. 7 par. 2 AEEG 280/07).	
Addressees	<p>Entitled party. All eligible operators of plants that generate electricity from renewable energy sources (Art. 13, c. 3,4 DL 387/03 and Art. 1 par. 41 L 239/04).</p> <p>Obligated party. The obligated parties are, alternatively, the grid operators or GSE (Gestore Servizi Energetici) (Art. 3, c. 2 and 11 AEEG 34/05).</p>	



Procedure	Process flow	A given producer shall submit an application within 60 days from commissioning and conclude a contract, which may be renewed annually, with GSE. Payment starts on a date agreed by the parties, provided that the plant is deemed admissible by GSE in the verification process (Arts. 3 and 14 AEEG 280/07).
	Competent authority	GSE checks the information and data submitted by the producers (Art. 14 par. 3 AEEG 280/07).
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	Part of the costs is paid by the consumers via the electricity price (Art. 47.1b, 49.2h Annex A ARG/elt 199/11).
	Plant operator	The plant operators also bear part of the costs. They shall pay to the grid operator a fee for the services regarding the sale of electricity plus an amount related to the unbalances in production (Art. 4 par. 2 d e AEEG 280/07). The fee is levied to cover the GSE's administrative costs.
	Grid operator	
	European Union	
	Distribution mechanism	The grid operator receives the difference between the minimum tariff, which he shall pay to the plant operators, and the price he achieves on the market, from the fund for the promotion of plants generating electricity from renewable energy sources (Conto per nuovi impianti da fonti rinnovabili ed assimilate), which is in turn financed from a charge listed on the electricity bills of the consumers (Componente A3) (Artt. 38.2b, 47.1b 49.2h Annex A ARG/elt 199/11).



Premium tariff I (Conto Energia V)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • ARG/elt 199/11 • DM 05/07/12 • 343/2012/R/efr 	
Contact Authority	GSE	
Summary	<p>In Italy, photovoltaic installations are promoted through a premium tariff (conto energia per il solare fotovoltaico). Operators of photovoltaic installations receiving a premium tariff under this scheme are neither eligible for scambio sul posto or ritiro dedicato (Art. 12, c.5, DM 05/07/12).</p> <p>This tariff operates until the indicative cumulated yearly cost for incentives will have reached € 6.7 billion</p> <p>DM 05/07/12 distinguishes between the following categories of PV installations:</p> <ul style="list-style-type: none"> • PV installations • Integrated PV installations with innovative characteristics • Concentration PV plants 	
Eligible technologies	General information	Only electricity generated by photovoltaic installations is eligible.
	Wind energy	
	Solar energy	<p>PV installations are eligible under the following conditions:</p> <ul style="list-style-type: none"> • Only new components or components which were not used in other installations shall be used (Art. 7, c. 3 DM 05/07/12) • PV modules should be covered by warranty for at least 10 years against fabrication flaws (Art. 7, c. 4 DM 05/07/12) • PV modules should be produced by a producer that is part of a European system or consortium that guarantees recycling,



		<p>possesses ISO 9001:2008, OHSAS 18001 and ISO 14000, and that possesses a certificate proving a factory inspection which states the factory is complying to the technical requirements of the CEI 82-25 Guide (Art. 7, c. 5 DM 05/07/12)</p> <ul style="list-style-type: none"> • Their nominal power shall exceed 1 kW and be connected to the electricity grid or to a small, isolated grid so that each plant has a single connection point to the grid (Art. 7, c.7 DM 05/07/12). • They comply to the technical requirements listed in Annex 1-b of DM 05/07/12 (Art. 7, c.7 DM 05/07/12). • Other requirements listed under Art. 7, c. 8 DM 05/07/12. <p>Integrated PV plants with innovative characteristics are eligible under the following conditions:</p> <ul style="list-style-type: none"> • Nominal power between 1 kW and 5 MW (Art. 8, c.2, l. a DM 05/07/12); • They shall comply with the technical requirements laid down in Annex 4 of DM 05/07/12 (Art. 8, c.2, l. b DM 05/07/12). • Only new components or components which were not used in other installations shall be used (Art. 8, c.2, l. c DM 05/07/12). • PV modules should be produced by a producer that possesses ISO 9001:2008, OHSAS 18001 and ISO 14000, and that possesses a certificate proving a factory inspection which states the factory is complying to the technical requirements of the CEI 82-25 Guide (Art. 8, c.2, l. c DM 05/07/12) • Plants should be connected to the electricity grid or to a small, isolated grid so that each plant has a single connection point to the grid (Art. 8, c.3, DM 05/07/12). • They comply to the technical requirements listed in Annex 1-
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		<p>b of DM 05/07/12 (Art. 8, c.3, DM 05/07/12).</p> <p>GSE (Gestore Servizi Energetici) publishes an updated version of the guidelines for these installations (Art. 8, c.4 DM 05/07/12).</p> <p>High-concentration PV installations are eligible under the following conditions:</p> <ul style="list-style-type: none"> • They shall be owned by legal entities of public entities (Art. 9, c.1 DM 05/07/12); • Nominal power between 1 kW and 5 MW (Art. 9, c.2, l.a DM 05/07/12); • They shall comply with the technical requirements laid down in Annex 1-A of DM 05/07/12, article 10 of DL 28/2011 and certified according to norm CEI EN 62108 (Art.9, c.2, l. b DM 05/07/12). • Only new components or components which were not used in other installations shall be used (Art. 9, c. 2, l. b DM 05/07/12) • PV modules should be covered by warranty for at least 10 years against fabrication flaws (Art. 9, c. 3 DM 05/07/12) • PV modules should be produced by a producer that guarantees recycling, possesses ISO 9001:2008, OHSAS 18001 and ISO 14000, and that possesses a certificate proving a factory inspection which states the factory is complying to the technical requirements of the CEI 82-25 Guide (Art. 9, c. 3 DM 05/07/12) • Plants should have a concentration power of at least 10 suns, for plants between 3 and 10 suns, tariffs are reduced by 10%. Concentration PV plants with a concentration factor lower than 3 are treated as normal PV plants (Art. 9, c. 2, l. c DM 05/07/12) <p>Tariffs are not applicable to installations that were or are supported</p>
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		<p>by one of the following incentives:</p> <ul style="list-style-type: none"> • Construction grants of more than 30 % of the investment cost for: <ul style="list-style-type: none"> ○ installations below 20 kW; ○ installations on public buildings or on buildings owned by non-profit organisations of public utilities providing social services; ○ installations in reclaimed areas; ○ integrated PV installations with innovative characteristics ○ high-concentration PV installations; (Art. 12, c.1, DM 05/07/12). • Construction grants of more than 60 % of the investment cost for installations on schools, public healthcare, military or penitentiary buildings or administrative public buildings (Art. 12, c.1, DM 05/07/12); • Tax reductions other than the VAT reduction established by DPR 633/72 and DM 29/12/1999 (Art. 12, c.2, DM 05/07/12).. • Previous premium tariffs (Art. 12, c.3, DM 05/07/12). • Scambio sul posto (Art. 12, c.5, DM 05/07/12) • Ritiro dedicato (Art. 12, c.5, DM 05/07/12) <p>Other incentives that may be received on top of the premium tariff from 01.01.2013 are set out in Arts. 24, c.5 and 26 DL 28/11 (Art. 12, c.4, DM 05/07/12).</p>
	Geothermal energy	
	Biogas	
	Hydro-power	



	Biomass	
Amount	General information	Tariff rates are provided only for solar technologies. For the exact rates see below.
	Wind energy	
	Solar energy	<p>The amount of payment depends on the installation type, its location, capacity and on whether energy is consumed on site or not. The tariff applicable at the time of commissioning will apply for the whole eligibility period (20 years from commissioning) (Art. 5, c. 4 DM 05/07/12). Installations below 1MW receive the tariffs listed below (tariffa onnicomprensiva), installations above 1MW receive the difference between the hourly area price (“prezzo zonale orario”) and the tariffs, if positive, or the tariffs listed below (Art. 5, c. 1, DM 05/07/12).</p> <p>Annex 5 of DM 05/07/12 lists the detailed adjustments for five semesters. The following tariff ranges apply to PV installations:</p> <ul style="list-style-type: none"> • 1st semester: € 0.113 – 0.288 per kWh • 2nd semester: € 0.106 – 0.242 per kWh • 3rd semester: € 0.099 – 0.218 per kWh • 4th semester: € 0.095 – 0.196 per kWh • 5th semester: € 0.92 – 0.176 per kWh • 6th semester onwards: tariffs reduced by 15% per semester. <p>Under certain conditions, the tariff may be increased:</p> <ul style="list-style-type: none"> • Self consumption: tariff increased by additional amounts



		<p>listed in Annexes 5, 6, 7 of DM 05/07/12;</p> <ul style="list-style-type: none"> • Additional amounts listed in Art. 5, c. 2 DM 05/07/12 for installations mainly produced in UE/SEE Member States , depending on capacity, location and commissioning date. • Additional amounts listed in Art. 5, c. 3 DM 05/07/12 for installations whose components are also integral parts of specific buildings.
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Degression	General information	Annex 5 of DM 05/07/12 lists the tariffs for the coming years, though not specifying a specific degression rate but actually writing the precise tariffs for the coming years.
	Wind energy	
	Solar energy	The tariff decreases over time according to the tables presented in Annex 5 of DM 05/07/12.
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	



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Cap	This support scheme will terminate when the indicative cumulated yearly cost for incentives will have reached € 6.7 billion (Art. 1, c. 1, DM 05/07/12).	
Eligibility period	The period of payment is limited in time. It starts at the date of commissioning and lasts for 20 years (Art. 5, c. 4 DM 05/07/12).	
Addressees	<p>Entitled party. The persons entitled are the plant operators. Plant operators are natural persons, legal entities, public entities or the operators of plants on multi-family buildings and blocks of flats ("condomini") (Arts. 7, 8, 9 DM 05/07/12)</p> <p>Obligated party. The obligated party is GSE S.p.a. – Manager of Energy Services.</p>	
Procedure	Process flow	Plant operators are contractually entitled to the premium tariff. Eligible plant operators shall apply for the tariff to Gestore Servizi Energetici (GSE) within 15 days after commissioning / registration on the GAUDI register of the grid operator (Art. 6, c. 1 DM 05/07/12). GSE checks and monitors the eligible plants and informs the plant operator about his decision within 90 days from the date of the receipt of the application (Art. 6, c. 3 DM 05/07/12).
	Competent authority	GSE (Art. 5, c. 1 DM 05/07/12).
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The costs of the premium tariff are borne by the consumers via the electricity bill through the A3 component (the amount devoted to support schemes for RES-E).



	Plant operator	Plants under 1 MW are required to pay unbalancing fees, in case of unbalances as well as possible additional expenses incurred by GSE for selling the plant's electricity on the intra-day market. In the opposite case (possible additional revenues obtained by GSE), the revenues are transferred back to the plant operator (Art. 5.2 Annex A 343/2012/R/efr). Plant operators must correspond to GSE € 0.05 cents per each kWh that receives the incentive for covering administrative costs (Art. 10, c.4 DM 05/07/12).
	Grid operator	
	European Union	
	Distribution mechanism	Consumers pay the electricity bill to distribution grid operators. Grid operators transfer the A3 component (the amount devoted to support schemes for RES-E) of the bill to GSE (Art. 40 Annex A ARG/elt 199/11) through the Fund for the Promotion of Renewable Energy Plants (Conto per nuovi impianti da fonti rinnovabili ed assimilate). The fund is managed by GSE (Gestore Servizi Energetici), which uses the money to cover the costs arising from the premium tariff (Art. 49.2v-aa Annex A ARG/elt 199/11).



Premium tariff II

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DM 06/07/12 ARG/elt 199/11 	
Contact Authority	GSE	
Summary	All plants except for PV plants are eligible for receiving this premium tariff. Plants with an installed power between 1kW and 1 MW are entitled to choose a feed-in tariff (tariffa onnicomprensiva) in alternative to the premium tariff (Art. 7, c. 4 DM 06/07/12). This system is alternative to any other public incentive, to the ritiro dedicato and to the Scambio sul Posto (Art. 7, 23 and 29 DM 06/07/12)	
Eligible technologies	General information	All RES-E sources apart from PV are eligible (Art. 3, c. 1, DM 06/07/12). RES-E plants can access incentives either directly or after being listed in a register, depending on their source and size, or on specific requirements listed in Art 4, c. 1-3 DM 06/07/12. Eligible generators with an installed power between 1kW and 1 MW are entitled to choose a feed-in tariff (tariffa onnicomprensiva) in alternative to the premium tariff (Art. 7, c. 4 DM 06/07/12)
	Wind energy	<p>Eligible for capacities between 1 kW and 5 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 60 kW can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 60 kW and 5 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
	Solar energy	Not eligible (Art. 3, c. 1, DM 06/07/12)
	Geothermal energy	Eligible for capacities between 1 kW and 20 MW (Art. 3 and 4, DM 06/07/12)



		06/07/12)
	Biogas	<p>Eligible for capacities between 1 kW and 5 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 100 kW can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 100 kW and 5 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
	Hydro-power	<p>Eligible for capacities between 1 kW and 10 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 50 kW (250 kW for the cases listed in Art. 4, c. 3, l. a DM 06/07/12) can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 50 kW (250 kW) and 10 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
	Biomass	<p>Eligible for capacities between 1 kW and 5 MW (Art. 3 and 4, DM 06/07/12)</p> <p>Plants with a capacity below 200 kW can access incentives directly (Art. 4, c. 3 DM 06/07/12)</p> <p>Plants with a capacity between 200 kW and 5 MW can access incentives only after being listed in a register (Art. 4, c. 1 and 3 DM 06/07/12)</p>
Amount	General information	The incentive (I) is determined by the following formula:



		<p>I = Tb + Pr – Pz</p> <ul style="list-style-type: none">Tb: the tariffs indicated by source in Annex 1 DM 06/07/12, inclusive of the planned degression of 2% a year (Annex 1 DM 06/07/12 in conjunction with Art. 7, c. 1 DM 06/07/12).Pr: premiums or bonuses that may be granted to the plant.Pz: the zonal hourly price (prezzo zonale orario) <p>(Annex I DM 06/07/12)</p>										
	Wind energy	<p>Onshore</p> <table><tr><th>Capacity (kW)</th><th>Incentive (€/MWh)</th></tr><tr><td>1-20</td><td>291</td></tr><tr><td>20-200</td><td>268</td></tr><tr><td>200-1000</td><td>149</td></tr><tr><td>1000-5000</td><td>135</td></tr></table> <p>Offshore: € 176 per MWh (Annex 1 DM 06/07/12).</p>	Capacity (kW)	Incentive (€/MWh)	1-20	291	20-200	268	200-1000	149	1000-5000	135
	Capacity (kW)	Incentive (€/MWh)										
	1-20	291										
20-200	268											
200-1000	149											
1000-5000	135											
Solar energy												
Geothermal energy	<table><tr><th>Capacity (kW)</th><th>Incentive (€/MWh)</th></tr><tr><td>1-1000</td><td>135</td></tr><tr><td>1000-20000</td><td>99</td></tr></table> <p>(Annex 1 DM 06/07/12).</p>	Capacity (kW)	Incentive (€/MWh)	1-1000	135	1000-20000	99					
Capacity (kW)	Incentive (€/MWh)											
1-1000	135											
1000-20000	99											



	Biogas	Incentives range between € 109 and € 236 per MWh (Annex 1 DM 06/07/12).																				
	Hydro-power	<p>Conventional: € 101 per MWh.</p> <table><tr><th>Capacity (kW)</th><th>Incentive (€/MWh)</th></tr><tr><td>1-10000</td><td>101</td></tr></table> <p>Run of river</p> <table><tr><th>Capacity (kW)</th><th>Incentive (€/MWh)</th></tr><tr><td>1-20</td><td>257</td></tr><tr><td>20-500</td><td>219</td></tr><tr><td>500-1000</td><td>155</td></tr><tr><td>1000-10000</td><td>129</td></tr></table> <p>Wave and tidal</p> <table><tr><th>Capacity (kW)</th><th>Incentive (€/MWh)</th></tr><tr><td>1-5000</td><td>300</td></tr><tr><td>Above 5000</td><td>194</td></tr></table> <p>(Annex 1 DM 06/07/12).</p>	Capacity (kW)	Incentive (€/MWh)	1-10000	101	Capacity (kW)	Incentive (€/MWh)	1-20	257	20-500	219	500-1000	155	1000-10000	129	Capacity (kW)	Incentive (€/MWh)	1-5000	300	Above 5000	194
	Capacity (kW)	Incentive (€/MWh)																				
1-10000	101																					
Capacity (kW)	Incentive (€/MWh)																					
1-20	257																					
20-500	219																					
500-1000	155																					
1000-10000	129																					
Capacity (kW)	Incentive (€/MWh)																					
1-5000	300																					
Above 5000	194																					
Biomass	Incentives range between € 133 and € 257 per MWh depending on source and size (Annex 1 DM 06/07/12). Biomass plants can also benefit of additional amounts depending on the material used, environmental impact and size (Art. 8, c. 6-8 DM 06/07/12).																					



Degression	General information		The degression rate from 2014 onwards is set at 2% (Art. 7, c. 1 DM 06/07/12), however other incentives may be set by a separate decree (Art. 3, c. 4 DM 06/07/12)	
	Wind energy			
	Solar energy			
	Geothermal energy			
	Biogas			
	Hydro-power			
	Biomass			
Cap	No cap is set for plants that do not need to be listed in a register. For plants that need to be listed in a register, yearly maximum amounts are provided. The table below outlines the capacity limit that has been set per source until 2015 (Art. 9 c. 4, DM 06/07/12).			
	Source	2013	2014	2015
		MW	MW	MW
	Onshore wind	60	60	60
	Offshore wind	0	0	0
	Hydro (conventional)	70	70	70
	Geothermal	35	35	35
	Biomass	200	160	160
	Hydro (tidal	3	0	0



	and wave)													
Eligibility period	Incentives are granted for different periods of time, depending on the source and on capacity (Annex 1 DM 06/07/2012)													
	<ul style="list-style-type: none">• Wind, Onshore: 20 years• Wind, Offshore: 25 years• Geothermal													
	<table><tr><th>Capacity (kW)</th><th>Eligibility period (years)</th></tr><tr><td>1-1.000</td><td>20</td></tr><tr><td>1.000-20.000</td><td>25</td></tr></table>					Capacity (kW)	Eligibility period (years)	1-1.000	20	1.000-20.000	25			
	Capacity (kW)	Eligibility period (years)												
	1-1.000	20												
1.000-20.000	25													
<ul style="list-style-type: none">• Biogas: 20 years• Hydro, Conventional: 25 years• Hydro, Run of river														
<table><tr><th>Capacity (kW)</th><th>Eligibility period (years)</th></tr><tr><td>1-20</td><td>20</td></tr><tr><td>20-500</td><td>20</td></tr><tr><td>500-1.000</td><td>20</td></tr><tr><td>1.000-10.000</td><td>25</td></tr></table>					Capacity (kW)	Eligibility period (years)	1-20	20	20-500	20	500-1.000	20	1.000-10.000	25
Capacity (kW)	Eligibility period (years)													
1-20	20													
20-500	20													
500-1.000	20													
1.000-10.000	25													
	<ul style="list-style-type: none">• Hydro, Wave and tidal													
	<table><tr><th>Capacity (kW)</th><th>Eligibility period (years)</th></tr><tr><td>1-5.000</td><td>15</td></tr><tr><td>Above 5.000</td><td>20</td></tr></table>					Capacity (kW)	Eligibility period (years)	1-5.000	15	Above 5.000	20			
Capacity (kW)	Eligibility period (years)													
1-5.000	15													
Above 5.000	20													



	<ul style="list-style-type: none">• Biomass: 20 years													
Addressees	Entitled party. Plant operators. Obligated party. GSE (Art. 7, c. 4-5, DM 06/07/12)													
Procedure	Process flow	<p>1 – Registration (optional)</p> <p>Depending on their capacity, plants may need to be listed in a register to access incentives (Art. 4, c. 1 and 3 DM 06/07/12). Every year, before the 31st of March, GSE publishes a tender for the whole capacity for the coming year. The window for registration is open for sixty days (Art. 9, c. 2, DM 06/07/12). Together with the request for being listed in the register, plant operators must forward an amount to GSE for covering administrative expenses, as outlined in the table below.</p> <table><tr><td>Capacity (kW)</td><td>Amount (€)</td></tr><tr><td>1-50</td><td>100</td></tr><tr><td>50-200</td><td>180</td></tr><tr><td>200-1.000</td><td>600</td></tr><tr><td>1.000-5.000</td><td>1.420</td></tr><tr><td>Above 5.000</td><td>2.300</td></tr></table> <p>(Art. 21, c. 2-3, DM 06/07/12).</p> <p>GSE, sixty days after registration has been closed, publishes the list of admitted plants, according to the ranking criteria listed in Art. 10, c. 3 DM 06/07/12.</p>	Capacity (kW)	Amount (€)	1-50	100	50-200	180	200-1.000	600	1.000-5.000	1.420	Above 5.000	2.300
	Capacity (kW)	Amount (€)												
1-50	100													
50-200	180													
200-1.000	600													
1.000-5.000	1.420													
Above 5.000	2.300													



After being notified of having been listed in the register, plant operators must have their plants enter into function within the following time limits (Art. 11, c. 1, DM 06/07/12):

Source	Months
Onshore wind	16
Offshore wind	22
Hydro (conventional)	28 (36 in some cases)
Geothermal	28
Biomass	16-28 depending on source
Hydro (tidal and wave)	36

In case of delays, the tariff the plants will receive is cut of 0.5% for every month of delay, to a maximum of 12 months, after which the plant will be erased from the register. Plant operators may ask, before 12 months after the set deadline for construction, to access incentives at a later stage. In this case, the tariff will be reduced of 15% (Art. 11, c. 2-3 DM 06/07/12).

2 – Access to the incentive system

Within 30 days after the plant has entered into function and has been listed by the grid operator under a separate online register (GAUDI),



		the plant operator must provide GSE with the documentation listed in Annex 3 DM 06/07/12. 90 days after receiving this documentation, GSE ensures to the plant operator the signing of the contract and the access to the incentive system (Art. 21, c. 1, DM 06/07/12). Incentives are provided from the GSE to the plant operator every month (Art. 22, c. 1 DM 06/07/12).
	Competent authority	GSE (Art. 7, c. 4-5, DM 06/07/12)
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The costs of the premium tariff are borne by the consumers via the electricity bill through the A3 component.
	Plant operator	Plant operators must correspond to GSE € 0.05 cents per each kWh that receives the incentive for covering administrative costs (Art. 21, c.5 DM 06/07/12).
	Grid operator	
	European Union	
	Distribution mechanism	Consumers pay the electricity bill to distribution grid operators. Grid operators transfer the A3 component of the bill to GSE (Art. 40 Annex A ARG/elt 199/11) through the Fund for the Promotion of Renewable Energy Plants (Conto per nuovi impianti da fonti rinnovabili ed assimilate). The fund is managed by GSE (Gestore Servizi Energetici), which uses the money to cover the costs arising from the premium



		tariff (Art. 49.2v-aa Annex A ARG/elt 199/11).
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Premium tariff III (Conto energia per il solare termodinamico)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DM 11/04/08 ARG/elt 95/08 DM 06/07/12 	
Contact Authority	GSE	
Summary	In this premium tariff scheme, plants are granted a tariff which depends on the percentage of electricity actually produced from solar energy (in case of hybrid installations, i.e. plants that pair CSP with another source for electricity production).	
Eligible technologies	General information	CSP only.
	Wind energy	
	Solar energy	Eligible (CSP only), also in case of hybrid installations. <ul style="list-style-type: none"> For non-hybrid installations: any capacity. For hybrid installations: eligible if their capacity is up to 10 MVA (Art. 4 ARG/elt 95/08).
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Amount	General information	The tariff varies according to the amount directly attributable to the solar source (Art. 6, c. 2, DM 11/04/08).
	Wind energy	



	Solar energy	<p>Tariffs vary depending on the amount of the integration fraction (% of how much of the produced energy is not attributable to the solar source):</p> <p>For plants with a surface up to 2,500 m²:</p> <ul style="list-style-type: none"> • 0 % to 15 % - € 0.36 per kWh • 15 % to 50 %, - € 0.32 per kWh • 50 % or more - € 0.30 per kWh (Art. 6, c. 2, DM 11/04/08 in conjunction with Art. 28 DM 06/07/12). <p>For plants with a surface above 2,500 m²:</p> <ul style="list-style-type: none"> • 0 % to 15 % - € 0.32 per kWh • 15 % to 50 %, - € 0.30 per kWh • 50 % or more - € 0.27 per kWh (Art. 6, c. 2, DM 11/04/08 in conjunction with Art. 28 DM 06/07/12) <p>These tariffs are applied for plants that enter into function before 31 December 2015.</p>
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Degression	General information	The tariffs will be reduced of 5% for 2015 and of another 5% in 2016



		(Art 28, c.1, l.d DM 06/07/12).
	Wind energy	
	Solar energy	
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Cap	The cap is set at 2,500,000 m ² of captive surface (Art. 12, c. 1, DM 11/04/08 in conjunction with Art 28, c.1, l.i DM 06/07/12).	
Eligibility period	Tariffs are provided for 25 years (Art. 6, c. 1, DM 11/04/08).	
Addressees	Entitled Party: Operators of CSP installations (physical and juridical entities) (Art. 3, DM 11/04/08). Obligated party: The obligated party is GSE S.p.a. – Manager of Energy Services (Art. 1 ARG/elt 95/08)	
Procedure	Process flow	The plant operator files a request. Subsequently, and in agreement with the regulator and the grid operator, the plant operator builds a plant and a connecting line, and communicates the end of works to the GSE. Within 60 days, the plant operator must send in all documentation indicated in Annex 1 of DM 11/04/08. Within 60 days, the GSE communicates the tariff to the plant operator (Art. 5 DM 11/04/08).
	Competent authority	GSE S.p.a. – Manager of Energy Services (Art. 1 ARG/elt 95/08)



Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The costs of the premium tariff are borne by the consumers via the electricity bill.
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	The system costs paid by the consumers are transferred to the Fund for the Promotion of Renewable Energy Plants (Conto per nuovi impianti da fonti rinnovabili ed assimilate), which is managed by GSE (Art. 11, c.1 ARG/elt 95/08).



Quota system (Certificati verdi)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • L 99/09 • L 244/07 • DL 79/99 • DL 387/03 • DM 18/12/08 • DM 14/03/03 • DL 28/11 • DM 24/10/05
Contact Authority	GSE
Summary	<p>This scheme is not accessible since 1 January 2013 (Art. 25, c. 11, l. b DL 28/11). Plants will need to apply through the support schemes established in 2012 (Premium tariff II, Bidding scheme or Tariffa Onnicomprensiva). Eligible plants put into operation prior to 31 December 2012 will still receive incentives under this scheme for the whole eligibility period (Art. 25, c. 7, 8 DL 28/11).</p> <p>Under this system, producers and importers of electricity are obliged to prove that a certain quota of the electricity supplied by them was generated from renewable energy sources. On the one hand, electricity producers may satisfy this obligation by generating "green electricity", which is rewarded with tradable green certificates (certificati verdi). On the other hand, they may satisfy the quota by purchasing green certificates. The producers are obliged to prove to GSE (Gestore Servizi Energetici) that they have satisfied the quota. The certificates are issued by GSE, which acts as a supervisor and regulates the market by purchasing excess certificates or selling additional certificates (Art. 14 DM 18/12/08). The certificate system may be combined with other support instruments, except for the premium tariff for photovoltaic installations (conto energia) and the feed-in tariff for electricity from renewable energy (except photovoltaic energy below 1 MW per year, tariffa omnicomprensiva), (Art. 2 par. 145 L 244/07).</p>



Eligible technologies	General information	Except for solar energy generation, all renewable energy generation technologies are eligible for the green certificate system. Hybrid plants are also eligible (Art. 9 DM 18/12/08). Certificates are issued only if the power generation plant has received an IAFR (impianto a fonti rinnovabili) certificate from the GSE (Art. 3 par. 3 DM 18/12/08).
	Wind energy	Eligible; the annual output must exceed 200 kW (Art. 2 par. 144 L 244/07).
	Solar energy	Photovoltaic installations are eligible for Conto Energia only (Art. 2 par. 143 L 244/07).
	Geothermal energy	Eligible (Art. 2 par. 144 L 244/07).
	Biogas	Eligible (Art. 2 par. 144 L 244/07).
	Hydro-power	Eligible (hydro, tidal and wave) (Art. 2 par. 144 L 244/07).
	Biomass	Eligible (Art. 2 par. 144 L 244/07).
Amount	Amount of quota and period of application	<p>The percentage of renewable energy in electricity production for 2012 is 7.55 % per 100 GWh</p> <p>The eligibility period depends on the date of commissioning (this also applies to plant renewal, capacity upgrades and re-commissioning):</p> <ul style="list-style-type: none"> Plants whose yearly average nominal power exceeds 1 MW (0,2 MW for wind energy) receive certificates for a period of 15 years (Art. 2 par. 143, 144 L 244/07 and Art. 10 par 1 DM 18/12/08), unless they receive other national, regional, local or European public subsidies (Art. 2 par. 152 L 244/07). Plants commissioned after 1 January 2013 will not be eligible



		for this support scheme (Art. 24, c. 5, 6 DL 28/11).
	Adjustment of quotas	From 2012 onwards, the quota (7.55 % in 2012) will be subject to a linear decrease until becoming equal to 0 in 2015 (Art. 25, c. 3 DL 28/11).
	Number of certificates according to technology	<p>Value of certificates. Since 2008, the value of one certificate has been 1 MWh. However, the value of a certificate may be altered by a decree of the Ministry of Economic Development. For plants put into operation in 2008, the number of certificates is based on the net production in the previous year, which is multiplied with a certain coefficient (Art. 2 par 147, 148 L 244/07).</p> <ul style="list-style-type: none"> • Wind energy: The coefficient is 1 for plants whose output exceeds 200 kW (Art. 2 par.144 L 244/07). The coefficient for offshore plants (no minimum kW requirement) is 1.5 (Art. 42 par. 4 a L 99/09). • Geothermal energy: The coefficient is 0.9 (Art. 2 par. 144 L 244/07). • Biomass: <ul style="list-style-type: none"> ○ The coefficient is 1.3 for biomass that does not come under the categories mentioned below and is not recyclable waste (Art. 42 par. 4 L 99/09). ○ Biomass and biogas from agricultural, livestock and forestry products produced within 70 kilometers of a given power station (filiera corta) have a coefficient of 1.8. ○ Landfill gas, gas resulting from exhaust purification, and other types of biogas have a coefficient of 0.8



		<p>(Art. 2 par.144 L 244/07).</p> <ul style="list-style-type: none"> Hydro-electricity: The coefficient is 1.8 for wave and tidal power stations and 1 for hydraulic power stations (Art. 2 par.144 L 244/07).
	Minimum price per certificate	
	Fees and penalty charges	<p>Where the obligated party fails to submit the required amount of certificates and to buy them ex post, GSE (Gestore Servizi Energetici) will inform the energy authority (Art. 13 par. 4 DM 18/12/08), which issues a warning and may even impose sanctions (Art. 4, par 2 DL 387/03). Sanctions are subject to the provisions of Regulation No. 481 of 14 November 1995 and its amendments (Art. 4 par. 2 DL 387/03). GSE shall report the names of those electricity producers that fail to satisfy the quota to the regulatory authority AEEG, which can impose sanctions (Art. 13 par. 4 DM 18/12/08).</p>
	Yearly Average Certificate Price	<p>The average prices of the certificates have been</p> <ul style="list-style-type: none"> 2010: € 73.84 per MWh 2011: € 80.38 per MWh 2012 (provisional): € 71.97 per MWh
Eligibility period		
International applicability	International certificate trade	
	Flexibility Mechanism	
Addressees	<p>All those importing or producing more than 100 GWh of electricity per year are obliged to satisfy the national quota (Art. 11 par. 1, 2 DL 79/99).</p>	



<p>Procedure</p>	<p>Process flow</p>	<p>Electricity producers and importers shall submit to the supervising authority GSE the number of certificates necessary to satisfy their quota of produced or imported energy (Art. 7.1 DM 24/10/05) by March 31st each year. They shall attach to the certificates a declaration stating the amount of non-renewable energy imported or produced (Art. 8 par. 1 DM 18/12/08). The quota obligation may be satisfied as follows:</p> <ul style="list-style-type: none"> • Own generation of electricity. Enterprises may generate the electricity required for the green certificates themselves (Art. 2 par. 144 L 244/07). • Purchase of certificates ex ante. Obligated persons may purchase green certificates either directly from private producers of electricity from renewable sources or in the market. Certificates are traded at GME (Gestore dei Mercati Energetici) every week (Art. 87 DM 14/03/03). Only those certificates registered in GSE's index may be purchased and sold (Art. 88 par. 5 DM 14/03/03). The transaction procedure is described in detail in statutory law. GME plays an important mediating role (Art. 91-93 DM 14/03/03). Since 30 September 2009, plant operators have been obliged to submit to GSE "a preventivo" guarantees for the equivalent amount of energy or a bank guarantee to be able to purchase green certificates (Art. 11 par. 1 l. b, and arts. 5-9 DM 18/12/08). • Purchase of certificates ex post. If GSE notices that the number of certificates submitted by a given producer is insufficient, the producer shall compensate for the difference
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		by purchasing additional certificates (Art. 11 par. 1 a, and art. 4 DM 18/12/08).
	Competent authority	GSE
Distribution of costs	State	
	Consumers	Green certificates create additional costs to producers and importers. These costs are mirrored by the market prices for electricity.
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	



Net-Metering (scambio sul posto)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • L 99/09 • DL 387/03 • ARG/elt 74/08 	
Contact Authority	GSE	
Summary	<p>In Italy, RES-E producers can make use of net-metering ("Scambio Sul Posto") if their plant's capacity is lower than 20 kW (20 kW to 200 kW if commissioned after 31 December 2007) This possibility may be taken instead of the tariffa onnicomprensiva or the sale of electricity in the free market or in the market governed by "Ritiro Dedicato, or the Conto Energia scheme or the Premium Tariff II or the Tendering Scheme. The principle of Scambio sul Posto is not based on direct payments but on the balance of the energy fed in and consumed (Art. 1, 2 ARG/elt 74/08). Scambio sul posto in accordance with ARG/elt 74/08 differs from traditional net metering, as the plant operator pays the supplier for the electricity consumed, while GSE (Gestore Servizi Energetici) gives credit for the electricity fed in. This method can lead to a surplus on behalf of the plant operator (Art. 1 par. 1 a ARG/elt 74/08). The balance is calculated once a year (Art. 6 par. 2 ARG/elt 74/08). Precisely, the owner of such plants will receive a compensation equal to the difference between the value of electricity exported to the grid (e.g. for PV installations the energy fed in during daytime) and the value of the electricity consumed in a different period. If more energy is fed in than is consumed, this positive balance can compensate for a possible negative balance in the following years (Art. 5 ARG/elt 74/08). Generators who feed in more electricity than they consume do not receive any payment under the net metering scheme. If they feed in less than they consume, the difference is subject to a payment. Plant operators receive credit for electricity produced but not consumed. This credit will be available for an unlimited period of time (Art. 5 par. 6 ARG/elt 74/08).</p>	
Eligible technologies	General information	All plants generating up to 20 kW are eligible, regardless of the technology used. Furthermore, plants generating 20 kW to 200 kW are eligible if commissioned after 31 December 2007. Since 1 January



		<p>2009, Scambio Sul Posto also applies to CHP stations with an output of up to 200 KW (Art. 2 par. 2 ARG/elt 74/08).</p> <p>In order for Scambio Sul Posto to apply, electricity must be supplied to and received from the grid at one and the same connection point (Art. 1 ARG/elt 74/08). L 99/09 was introduced to enable municipalities with less than 20,000 inhabitants to make use of net metering without being obliged to use the same connection point to supply and receive electricity (Art. 27 par. 4 L 99/09).</p>
	Wind energy	Eligible (Art. 2 DL 387/03).
	Solar energy	Eligible (Art. 2 DL 387/03).
	Geothermal energy	Eligible (Art. 2 DL 387/03).
	Biogas	Eligible (Art. 2 DL 387/03).
	Hydro-power	Eligible (hydro, tidal and wave) (Art. 2 DL 387/03).
	Biomass	Eligible (Art. 2 DL 387/03).
Amount	<p>Plant operators receive as much energy for free as they produce (Art. 5 par. 2 ARG/elt 74/08). For this reason, scambio sul posto is cost-effective only if the amount of electricity produced does not substantially exceed the amount consumed. In case the electricity fed in the grid is more than the one taken from the grid, plant operators are entitled to have an economic compensation, based on the formulas in Art. 5, ARG/elt 74/08.</p>	
Addressees	<p>Entitled party. The persons entitled are the operators of renewable energy plants with a capacity of up to 20 kW. Since 1 January 2009, operators of plants with a capacity of 20 kW to 200 kW and high-efficiency CHP stations with a capacity of up to 200 kW are also eligible (Art. 2 ARG/elt 74/08).</p> <p>Obligated party. The obligated party is GSE (Gestore Servizi Energetici) (Art. 3 par. 1 ARG/elt 74/08). GSE is also responsible for</p>	



	measuring the electricity exported to the grid (Art. 5 par. 1 ARG/elt 74/08).	
Procedure	Process flow	A given plant operator is contractually entitled to net-metering against the grid operator. Plant operators shall submit an application as defined by the GSE. Applications are assessed by the directorate of the Regulatory Authority for Electricity and Gas (AEEG) (Art. 3 par. 2 ARG/elt 74/08).
	Competent authority	GSE assesses the information and data submitted by the producers (Art. 7 ARG/elt 74/08).
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	
	Plant operator	<p>The operators of renewable energy plants are obliged to pay an annual fee per connection point to cover the grid operator's administrative costs</p> <ul style="list-style-type: none"> • € 15 for plants with capacity below 3 kW • € 30 for plants with capacity between 3 and 20 kW • € 45 for plants with capacity above 20 kW (Art. 6 par. 1 c ARG/elt 74/08).
	Grid operator	
	European Union	
	Distribution mechanism	



Tax regulation mechanisms I (Reduction in value-added tax)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DPR 633/72 	
Contact Authority	Agenzia delle Entrate (Tax Agency)	
Summary	<p>Since 1993, Italy has promoted the generation of electricity from wind and solar energy through a reduction of 10 % on the value-added tax (l'aliquota agevolata del 10 per cento) for deliveries and services related to investments in wind power plants and solar energy installations and investments in grids that distribute this electricity.</p>	
Eligible technologies	General information	Investments in wind power plants and solar energy installations and investments in grids that distribute this electricity are eligible (Art. 127-quinquies DPR 633/72, table A).
	Wind energy	Eligible.
	Solar energy	Eligible.
	Geothermal energy	
	Biogas	
	Hydro-power	
	Biomass	
Amount	The reduced value-added tax rate is 10 % (instead of 20 %).	



Addressees	Entitled party. The entities entitled are private individuals (Art. 1 DPR 633/72).	
Procedure	Process flow	The entitled parties will be directly charged with the lower VAT.
	Competent authority	
Flexibility Mechanism		
Distribution of costs	State	The reduced VAT rate on deliveries and services related to investments in renewable energy plants leads to a lower state revenue, which is compensated for by other revenue.
	Consumers	
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	



Tax regulation mechanisms II (Reduction in real estate tax)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • L 244/07 	
Contact Authority	Agenzia delle Entrate (Tax Agency)	
Summary	<p>The Budget Act of 2008 gives municipalities the opportunity to grant a reduction in real estate tax (imposta municipale propria, IMU) to buildings equipped with renewable energy installations. The amount of IMU depends on the value of the property and differs from municipality to municipality.</p>	
Eligible technologies	General information	All technologies used for the generation of electric and thermal energy for domestic use, provided that the energy produced within the property in question, are eligible for this tax benefit (Art. 1, c.6, l.a. L 244/07).
	Wind energy	Eligible.
	Solar energy	Eligible.
	Geothermal energy	Eligible.
	Biogas	Eligible.
	Hydro-power	Eligible.
	Biomass	Eligible.



Amount	The reduced real estate tax amounts to less than 0.4 percent. The reduction is valid for a maximum period of five years starting at the date of installation of the plant (Art. 1, c.6, l.a. L 244/07). This tax is determined at city council level.	
Addressees	<p>Entitled party. The entitled party is the owner or proprietor of the property (soggetto passivo), even if neither his place of residence nor place of work nor administrative or principal company office is within Italy.</p> <p>Obligated party. The obligated entities are Italian municipalities.</p>	
Procedure	Process flow	The real estate tax is levied annually.
	Competent authority	The entities obligated are Italian municipalities.
Flexibility Mechanism		
Distribution of costs	State	The real estate tax reduction causes revenue losses for municipalities.
	Consumers	
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	



Tenders

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DM 06/07/12 ARG/elt 199/11 	
Contact Authority	GSE	
Summary	All plants beyond a certain capacity except for PV plants are eligible for receiving incentives in the form of a premium tariff after undergoing a tendering process. This system is alternative to any other public incentive, to the Ritiro Dedicato and to the Scambio sul Posto (Art. 7, 23 and 29 DM 06/07/12)	
Eligible technologies	General information	New plants and hybrid plants for all RES-E sources apart from PV are eligible (Art. 3, c. 1, Art. 4 DM 06/07/12)
	Wind energy	Eligible for capacities above 5 MW (Art. 3 and 4, DM 06/07/12)
	Solar energy	Not eligible (Art. 3, c. 1, DM 06/07/12)
	Geothermal energy	Eligible for capacities above 20 MW (Art. 3 and 4, DM 06/07/12)
	Biogas	Eligible for capacities above 5 MW (Art. 3 and 4, DM 06/07/12)
	Hydro-power	Eligible for capacities above 10 MW (5MW for tidal and wave) (Art. 3 and 4, DM 06/07/12)
	Biomass	Eligible for capacities above 5 MW (Art. 3 and 4, DM 06/07/12)
Amount	General information	<p>The incentive (I) is determined by the following formula:</p> $I = Tb + Pr - Pz$ <ul style="list-style-type: none"> Tb: the tariffs indicated by source in Annex 1 DM 06/07/12, inclusive of the planned degradation of 2% a year and of the



		<p>reductions following the bidding process (Annex 1 DM 06/07/12 in conjunction with Art. 7, c. 1 DM 06/07/12).</p> <ul style="list-style-type: none"> • Pr: premiums or bonuses that may be granted to the plant. • Pz: the zonal hourly price (prezzo zonale orario) <p>(Annex I DM 06/07/12)</p>
	Wind energy	<p>Onshore: € 127 per MWh.</p> <p>Offshore: € 168 per MWh (Annex 1 DM 06/07/12).</p>
	Solar energy	
	Geothermal energy	€ 85 per MWh (Annex 1 DM 06/07/12).
	Biogas	Incentives range between € 85 and € 122 per MWh (Annex 1 DM 06/07/12).
	Hydro-power	<p>Conventional: € 96 per MWh</p> <p>Run of river: € 119 per MWh</p> <p>Wave and tidal: € 194 per MWh (Annex 1 DM 06/07/12).</p>
	Biomass	Incentives range between € 122 and € 145 per MWh (Annex 1 DM 06/07/12). Biomass plants can also benefit of additional amounts depending on the material used and environmental impact (Art. 8, c. 7-8 DM 06/07/12).
Degression	General information	The degression rate from 2014 onwards is set at 2% (Art. 7, c. 1 DM 06/07/12), however other incentives may be set by a separate decree (Art. 3, c. 4 DM 06/07/12)
	Wind energy	



	Solar energy			
	Geothermal energy			
	Biogas			
	Hydro-power			
	Biomass			
Cap	Yearly maximum amounts offered for bidding are provided. The table below outlines the capacity limit that has been set per source until 2015 (Art. 12, c. 4, DM 06/07/12).			
	Source	2013	2014	2015
		MW	MW	MW
	Onshore wind	500	500	500
	Offshore wind	650	0	0
	Hydro	50	0	0
	Geothermal	40	0	0
	Biomass	470	0	0
Eligibility period	Incentives are granted for different periods of time, depending on the source (Annex 1 DM 06/07/2012)			
	<ul style="list-style-type: none">• Wind, Onshore: 20 years• Wind, Offshore: 25 years• Geothermal: 25 years• Biogas: 20 years			



	<ul style="list-style-type: none"> • Hydro, Conventional: 30 years • Hydro, Run of river: 30 years • Hydro, Wave and tidal: 20 years • Biomass: 20 years 	
Addressees	<p>Entitled party. Plant operators.</p> <p>Obligated party. GSE (Art. 7, c. 4-5, DM 06/07/12)</p>	
Procedure	<p>Process flow</p>	<p>1 – Bidding process</p> <p>Every year, before 31 March, GSE publishes a notice for the coming tender 30 days before the opening. The tendering process lasts for 60 days (Art. 12, c. 2, DM 06/07/12).</p> <p>In order to participate to the bidding procedure, plant operators must send to GSE the documentation listed in Annex 3 as well as a surety deposit equal to 5% of the investment costs (Annex 3 DM 06/07/12).</p> <p>Plant operators will bid on a per cent reduction from the base tariff. Offers below a 2% reduction are not considered and the maximum possible reduction to be offered is 30% of the base tariff (Art. 14 DM 06/07/12).</p> <p>After sixty days from the closure of the bidding process, GSE formulates rankings on the base of the offers (Art. 15, c. 2 DM 06/07/12) and on the base of the criteria listed in Art. 15, c. 3 DM 06/07/12.</p> <p>Within 15 days after the lists have been published, GSE will return the surety deposit to unsuccessful bidders, whereas successful ones will send an additional surety deposit of 10% of investment costs</p>



(“definitive deposit”). The surety deposit previously sent is given back to the plant operator within 15 days of the definitive deposit. The definitive deposit is returned to the plant operator within 30 days after the plant has entered into function (Art. 16, c. 1 in conjunction with Annex 3 DM 06/07/12).

After being notified of the success of their bidding, plant operators must have their plants need to enter into function within the following time limits (Art. 16, c. 2, DM 06/07/12):

Source	Months
Onshore wind	28
Offshore wind	40
Hydro (conventional)	40
Geothermal	40
Biomass	16-28 depending on source

In case of delays, the tariff the plants will receive is cut of 0.5% for every month of delay, to a maximum of 24 months (Art. 16, c. 3 DM 06/07/12).

2 – Access to the incentive system

Within 30 days after the plant has entered into function and has been listed by the grid operator under a separate online register (GAUDI), the plant operator must provide GSE with the documentation listed in



		Annex 3 DM 06/07/12. 90 days after receiving this documentation, GSE ensures to the plant operator the signing of the contract and the access to the incentive system (Art. 21, c. 1, DM 06/07/12). Incentives are provided from the GSE to the plant operator every month (Art. 22, c. 1 DM 06/07/12).
	Competent authority	
Flexibility mechanism		
Distribution of costs	State	
	Consumers	The costs of the tariff are borne by the consumers via the electricity bill through the A3 component.
	Plant operator	Plant operators must correspond to GSE € 0.05 cents per each kWh that receives the incentive for covering administrative costs (Art. 21, c.5 DM 06/07/12).
	Grid operator	
	European Union	
	Distribution mechanism	Consumers pay the electricity bill to distribution grid operators. Grid operators transfer the A3 component (the amount devoted to support schemes for RES-E) of the bill to GSE (Art. 40 Annex A ARG/elt 199/11) through the Fund for the Promotion of Renewable Energy Plants (Conto per nuovi impianti da fonti rinnovabili ed assimilate). The fund is managed by GSE (Gestore Servizi Energetici), which uses



		the money to cover the costs arising from the tariff (Art. 49.2v-aa Annex A ARG/elt 199/11).
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RES-E grid issues

Overview

Overview of grid issues	In Italy, grid operators are obliged to give priority access to renewable energy plants in the operation of their grids. They are also obliged to give priority dispatch to electricity from renewable sources. Plant operators may request their grid operator to expand the grid if the connection of a plant requires this expansion.
Connection to the grid	Plant operators are contractually entitled against the grid operator to priority connection of a renewable energy plant. The grid operator is obliged to enter into this contract.
Use of the grid	Plant operators are contractually entitled to usage of the grid. Electricity from renewable sources shall be granted priority use of the grids, provided that the electricity achieves the same price on the market and the security of the national energy grid can be guaranteed.
Grid expansion	A plant operator applying for connection is contractually entitled against the grid operator to a grid expansion, if the expansion is necessary to satisfy the claim for connection to the grid. As renewable energy plants must be given priority connection, a grid expansion necessary to connect such a plant must also be given priority.
Statutory provisions	<ul style="list-style-type: none"> DL 79/99 (Decreto Legislativo 16 marzo 1999, n. 79. „Decreto Bersani“ – Legislative Decree containing Provisions on Access to the Grid) DL 387/03 (Decreto Legislativo 29 dicembre 2003, n. 387. Attuazione della direttiva 2001/77/CE relativa alla promozione dell'energia elettrica prodotta da fonti energetiche rinnovabili nel mercato interno dell'elettricità – Decree for the Promotion of Renewable Energy) AEEG 111/06 (Delibera n. 111/06 Condizioni per l'erogazione del pubblico servizio di dispacciamento dell'energia elettrica sul territorio nazionale – Resolution on the Dispatch of Electricity on the National Level) AEEG 330/07 (Deliberazione 18 dicembre 2007 Condizioni per la gestione della priorit� di dispacciamento relativa ad impianti di produzione da fonti rinnovabili – Resolution on Priority Dispatch for Renewable Energy) ARG/elt 99/08 (Deliberazione 23 luglio 2008 - ARG/elt 99/08. Testo integrato delle condizioni tecniche ed economiche



	<p>per la connessione alle reti elettriche – Resolution on the Terms and Conditions for Access to the Grid)</p> <ul style="list-style-type: none">• ARG/elt 123/08 (Delibera ARG/elt 123/08. Procedura per la risoluzione delle controversie tra produttori e gestori di rete – Resolution on the Settlement of Disputes Between Producers and Grid Operators)
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Basic information on legal sources

Name of legal source (original language)	Delibera n. 199/11. Testo integrato delle disposizioni dell'Autorità per l'energia elettrica e il gas per l'erogazione dei servizi di trasmissione, distribuzione e misura dell'energia elettrica per il periodo di regolazione 2012-2015 e disposizioni in materia di condizioni economiche per l'erogazione del servizio di connessione	Decreto Legislativo 16 marzo 1999, n. 79.	Decreto Legislativo 29 dicembre 2003, n. 387.
Full name		Decreto Legislativo 16 marzo 1999, n. 79. Attuazione della direttiva 96/92/CE recante norme comuni per il mercato interno dell'energia elettrica. „Decreto Bersani“	Decreto Legislativo 29 dicembre 2003, n. 387. Attuazione della direttiva 2001/77/CE relativa alla promozione dell'energia elettrica prodotta da fonti energetiche rinnovabili nel mercato interno dell'elettricità.
Name (English)	Regulation No. 199/11. Consolidated text of the provisions of AEEG on the supply of electricity through transmission, distribution and metering services in the period from 2012 to 2015 and the provisions on the economic conditions for connection services.	Legislative Decree No. 79 of 16 March 1999 implementing European Directive 96/92/EC Concerning Common Rules for the Internal Market in Electricity. “Decreto Bersani	Legislative Decree of 29 December 2003 implementing European Directive 2001/77/EC on the promotion of electricity produced from renewable energy sources in the internal electricity market
Abbreviated form	ARG/elt 199/11	DL 79/99	DL 387/03
Entry into force	30.12.2011	01.04.1999	15.02.2004



RES-LEGAL EUROPE – National Profile Italy



Last amended on	01.02.2013	26.06.2012	24.01.2012
Future amendments			
Purpose	Conditions on the transmission and distribution of energy and the connection of plants to the grid.	Liberalising the energy market.	Implementing EU directive 2001/77/EC and promoting renewable energy.
Relevance for renewable energy	Funding of the plant for the promotion of renewable energy as set out in the "Conto per nuovi impianti da fonti rinnovabili e assimilate"	The decree includes provisions on access to the grid.	The decree creates a basic framework for the promotion of renewable energy. It establishes an observatory for renewable energy (Osservatorio nazionale sulle fonti rinnovabili e l'efficienza negli usi finali dell'energia).
Link to full text of legal source (original language)	http://www.autorita.energia.it/it/docs/11/199-11arg.htm	http://www.camera.it/parlam/leggi/deleghe/testi/99079dl.htm	http://www.camera.it/parlam/leggi/deleghe/testi/03387dl.htm
Link to full text of legal source (English)			



Name of legal source (original language)	Delibera n. 111/06. Condizioni per l'erogazione del pubblico servizio di dispacciamento dell'energia elettrica sul territorio nazionale e per l'approvvigionamento delle relative risorse su base di merito economico, ai sensi degli articoli 3 e 5 del decreto legislativo 16 marzo 1999, n. 79	Deliberazione 18 dicembre 2007. Condizioni per la gestione della priorit� di dispacciamento relativa ad impianti di produzione da fonti rinnovabili in situazioni di criticita' del sistema elettrico nazionale (Deliberazione n. 330/2007)	Deliberazione 23 luglio 2008 - ARG/elt 99/08. Testo integrato delle condizioni tecniche ed economiche per la connessione alle reti elettriche con obbligo di connessione di terzi degli impianti di produzione di energia elettrica (Testo integrato delle connessioni attive – TICA)
Full name			
Name (English)	Resolution No. 111/06. Provisions for the supply by the public service regarding the distribution of electric energy on national territory and the supply of energy on an economic basis in pursuance of Articles 3 and 5 of DL 79/99	Resolution No. 330/07. Provisions for handling the priority dispatch of electricity from renewable sources in critical situations of the national electric system.	Resolution ARG/elt 99/08 of 23 July 2009. Integrated text on the technical and economic conditions for connection to the grid with the obligation of third parties to connect electricity generation plants (Integrated text of active connections – TICA)
Abbreviated form	AEEG 111/06	AEEG 330/07	ARG/elt 99/08
Entry into force	01.01.2007	21.12.2007	01.01.2009
Last amended on	01.02.2013		26.07.2012
Future amendments			
Purpose	Regulation of the distribution (dispacciamento) of energy in the national grid.	Ensuring the priority of renewable energy whilst maintaining the security of the national energy supply system.	Annex A contains rules on access to the grid.



RES-LEGAL EUROPE – National Profile Italy



Relevance for renewable energy	Giving renewable energy priority access to the grid.	Giving renewable energy priority access to the grid.	This resolution also applies to the access of renewable energy plants to the grid.
Link to full text of legal source (original language)	http://www.autorita.energia.it/docs/06/111-06.htm	http://www.autorita.energia.it/docs/07/330-07.pdf	http://www.autorita.energia.it/it/docs/08/099-08arg.htm
Link to full text of legal source (English)			



Name of legal source (original language)	Delibera ARG/elt 123/08. Procedura per la risoluzione delle controversie tra produttori e gestori di rete, ai sensi dell'articolo 14, comma 2, lettera f-ter), del decreto legislativo 29 dicembre 2003, n. 387/03.	Codice di rete Terna	
Full name			
Name (English)	Resolution ARG/elt 123/08. Procedure for the settlement of disputes between producers and grid operators in accordance with art. 14 par. 2 item f-ter) of Legislative Decree No. 367/03 of 29 December 2003.	Terna Network Code	
Abbreviated form	ARG/elt 123/08	Terna Network Code	
Entry into force	17.09.2008		
Last amended on			
Future amendments			
Purpose	Annex A contains rules for the settlement of disputes between renewable electricity producers and grid operator about grid access.	This is the TNO's network code	
Relevance for renewable energy	The provisions apply to the producers of electricity from renewable sources.	The provision applies to the producers of electricity that wish to connect to the transmission grid and defines the conditions for the connection and use of the grid.	



Link to full text of legal source (original language)	http://www.autorita.energia.it/it/docs/08/123-08arg.htm	http://www.terna.it/LinkClick.aspx?fileticket=eOOwfA0V4JA%3D&tabid=106&mid=189	
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)
Autorità per l'energia elettrica e il gas (AEEG) – Regulatory Authority for Electricity and Gas	http://www.autorita.energia.it/it/inglese/index.htm		+39 026 556 51	info@autorita.energia.it
Terna S.p.A. Rete Elettrica Nazionale – transmission grid operator	http://www.terna.it/default/home_en.aspx		+39 068 313 81 11	info@terna.it

Grid issues

Connection to the grid

Abbreviated form of legal sources	<ul style="list-style-type: none"> • DL 79/99 • ARG/elt 99/08 • ARG/elt 123/08 • DL 387/03 • Terna Network Code 		
Contact Authority	Authority for Electricity and Gas		
Overview	<p>Operators of renewable energy plants are entitled to be connected to the national electricity grid upon request (art. 3.1 and art. 9.1 DL 79/99). To this aim, the grid operator and a given plant operator conclude a contract (contratto per la connessione). The grid operator is obliged to enter into this contract (arts. 10.14 and 23.10 Annex 1 ARG/elt 99/08).</p> <p>All persons applying for connection are entitled to connection to the grid (art. 3.1 and art. 9.1 DL 79/99). This definition includes producers of electricity from renewable sources.</p> <p>The persons obligated are the transmission and distribution grid operators (art. 3.1 and 9.1 DL 79/99).</p>		
Procedure	<table border="1"> <tr> <td>Process flow</td><td> <p>Operators of renewable energy plants are entitled to be connected to the national electricity grid upon request (art. 3.1 and art. 9.1 DL 79/99). To this aim, the grid operator and a given plant operator conclude a contract (contratto per la connessione). The grid operator is obliged to enter into this contract (arts. 10.14 and 23.10 Annex 1 ARG/elt 99/08). The claim for connection to the grid arises at the date of the conclusion of the contract. When a given electricity producer comes into a conflict with the grid operator, he may request dispute resolution from the Market Directorate (Direzione Mercati) of the regulatory authority AEEG (art. 3 Annex A ARG/elt 123/08). The dispute settlement procedure is extensively described in Annex A ARG/elt 123/08.</p> <p>The procedure for connection consists of the following steps:</p> <ul style="list-style-type: none"> • Application • Estimation of costs </td></tr> </table>	Process flow	<p>Operators of renewable energy plants are entitled to be connected to the national electricity grid upon request (art. 3.1 and art. 9.1 DL 79/99). To this aim, the grid operator and a given plant operator conclude a contract (contratto per la connessione). The grid operator is obliged to enter into this contract (arts. 10.14 and 23.10 Annex 1 ARG/elt 99/08). The claim for connection to the grid arises at the date of the conclusion of the contract. When a given electricity producer comes into a conflict with the grid operator, he may request dispute resolution from the Market Directorate (Direzione Mercati) of the regulatory authority AEEG (art. 3 Annex A ARG/elt 123/08). The dispute settlement procedure is extensively described in Annex A ARG/elt 123/08.</p> <p>The procedure for connection consists of the following steps:</p> <ul style="list-style-type: none"> • Application • Estimation of costs
Process flow	<p>Operators of renewable energy plants are entitled to be connected to the national electricity grid upon request (art. 3.1 and art. 9.1 DL 79/99). To this aim, the grid operator and a given plant operator conclude a contract (contratto per la connessione). The grid operator is obliged to enter into this contract (arts. 10.14 and 23.10 Annex 1 ARG/elt 99/08). The claim for connection to the grid arises at the date of the conclusion of the contract. When a given electricity producer comes into a conflict with the grid operator, he may request dispute resolution from the Market Directorate (Direzione Mercati) of the regulatory authority AEEG (art. 3 Annex A ARG/elt 123/08). The dispute settlement procedure is extensively described in Annex A ARG/elt 123/08.</p> <p>The procedure for connection consists of the following steps:</p> <ul style="list-style-type: none"> • Application • Estimation of costs 		



		<ul style="list-style-type: none"> • Acceptance of cost estimate • Request for authorisation • Authorisation procedure • Commencement of works • Connection
	Deadlines	<p>Response to applications with provision of estimate</p> <p>The grid operator must respond to applications for connection and submit an estimate of costs (preventivo per la connessione) within the following timescales:</p> <ul style="list-style-type: none"> • 20 working days for capacities of up to 100 kW (art. 7.1 Annex A ARG/elt 99/08), • 45 working days for capacities from 100 kW to 1,000 kW (art. 7.1 Annex A ARG/elt 99/08), • 60 working days for capacities of more than 1,000 kW (art. 7.1 Annex A ARG/elt 99/08). • 90 working days for capacities of more than 10,000 kW (art. 19.3 Annex A ARG/elt 99/08 and Terna Network Code, art. 1A .5.2.1) <p>Acceptance of the cost estimate</p> <p>The applicant must communicate the acceptance of the cost estimate within:</p> <ul style="list-style-type: none"> • 45 days for capacities under 10,000 kW (art. 7.2 Annex A ARG/elt 99/08), • 120 days for capacities of more than 10,000 kW (art. 19.4 Annex A ARG/elt 99/08 and Terna Network Code, art. 1A .5.3.1) <p>Requests of authorisations</p> <ul style="list-style-type: none"> • Applicant <ul style="list-style-type: none"> ○ Request of authorisation for construction and operation of the plant and/or request of initiation of the authorisation procedures <ul style="list-style-type: none"> ▪ Low voltage: within 60 working days (arts. 9.3, 9.5 Annex A ARG/elt 99/08); ▪ Medium voltage: within 90 working days (arts. 9.3, 9.5 Annex A ARG/elt 99/08);



		<ul style="list-style-type: none"> ▪ High voltage: within 120 working days (arts. 21.3, 21.5 Annex A ARG/elt 99/08); ▪ Extra high voltage: within 180 working days (arts. 21.3, 21.5 Annex A ARG/elt 99/08). <ul style="list-style-type: none"> • Operator <ul style="list-style-type: none"> ○ Request of authorisation for construction of the connection plant and grid expansion, where necessary <ul style="list-style-type: none"> ▪ Low voltage: within 30 working days (art. 9.6 Annex A ARG/elt 99/08); ▪ Medium voltage: within 60 working days (art. 9.6 Annex A ARG/elt 99/08); ▪ High voltage: within 90 working days (art. 21.6 Annex A ARG/elt 99/08); ▪ Extra high voltage: within 120 working days (art. 21.6 Annex A ARG/elt 99/08). <p>Authorisation procedure</p> <p>The authorisation procedure is ruled under a comprehensive procedure (“procedimento unico”) in which all involved administrations participate. This procedure starts within 30 days from the date in which the request of authorisation is received (Art. 12, c. 3 DL 387/03) and can last up to a maximum of 90 days, excluding additional time needed for carrying out specific verifications, where necessary (Art. 12, c. 4 DL 387/03),</p> <p>Initiation of works</p> <p>The Applicant is obliged to start the construction of the production plant within</p> <ul style="list-style-type: none"> • 12 months for connections in low and medium voltage; • 18 months for connections in high or extra high voltage (art. 31.1 Annex A ARG/elt 99/08). <p>Connection</p>
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		<ul style="list-style-type: none"> The distribution grid operator must connect a plant within the following timescales: <ul style="list-style-type: none"> 30 working days for basic works (art. 10.1.a Annex A ARG/elt 99/08), 90 working days for complex procedures, plus 15 working days for every kilometre of connection line except the first kilometre (art. 10.1.a Annex A ARG/elt 99/08). The transmission grid operator must connect a plant within the timescales specified in his terms and conditions (art. 23.1 Annex A ARG/elt 99/08 and Terna Network Code, art. 1A .5.8.4).
	Obligation to inform	
Priority to renewable energy (qualitative criteria)	(x) Priority to renewable energy () Non-discrimination	Applications for the connection of renewable energy plants to the transmission or distribution grid must be given priority treatment and renewable energy plants must be given priority connection (art. 29.1 Annex A ARG/elt 99/08).
Capacity limits (quantitative criteria)	Works on the grid aimed at allowing connection of a plant are automatically considered in the connection process (arts. 8.2.c and 20.2.c Annex A ARG/elt 99/08).	
Distribution of costs	State	
	Consumers	
	Grid operator	
	Plant operator	The costs of connection are borne by the applicant for connection. Renewable energy plants are subject to lower connection fees than plants fuelled by conventional sources. <ul style="list-style-type: none"> The fee to be paid for connection to the distribution grid is calculated by the formulas set out in art. 12 Annex A ARG/elt 99/08. The following fees must be paid for connection to the transmission grid: <ul style="list-style-type: none"> a fee for the development of the technical solution (art. 25.1 Annex A ARG/elt 99/08)



		o a fee for connection to the grid (art. 25.2 Annex A ARG/elt 99/08).
	European Union	
	Distribution mechanism	

Use of the grid

Abbreviated form of legal sources	<ul style="list-style-type: none"> • AEEG 111/06 • AEEG 330/07 • DL 79/99 • ARG/elt 199/11 	
Contact Authority	Authority for Electricity and Gas	
Overview	<p>Plant operators are contractually entitled against the grid operator – TERNA (contratto per il servizio di dispacciamento) for the transmission of electricity (art. 4 AEEG 111/06).</p> <p>Entitled party. All energy producers whose application for connection to the grid was accepted are eligible.</p> <p>Obligated party. Transmission and distribution grid operators are obligated to transmit electricity (art. 4 AEEG 111/06).</p>	
Procedure	Process flow	Plant operators are contractually entitled against grid operator TERNA (contratto per il servizio di dispacciamento) to the transmission of electricity (art. 4 AEEG 111/06). The claim for connection to the grid arises at the date of the conclusion of the contract.
	Deadlines	
	Obligation to inform	
Priority to renewable energy	(x) Priority to renewable energy	The grid operator is obliged to grant priority transmission (utilizzazione prioritaria) to electricity from renewable sources (art. 3.3 DL 79/99). In detail, priority shall be granted



(qualitative criteria)	() Non-discrimination	as follows: If several plant operators offer their electricity at the same price, the transmission of electricity shall be given priority as long as grid security can be maintained (diritti di utilizzo della capacità di trasporto nel mercato). Electricity generated from intermittent sources (wind, solar and geothermal energy, running waters, biogas) has the second highest priority, after electricity generated by units deemed essential for system security, in the hours in which they are declared indispensable (art. 30.7 and 31.7 Annex A AEEG 111/06).
Curtailement	For reasons of security of the national energy grid, capacity limits may be imposed (art. 3.a AEEG 330/07).	
Distribution of costs		
	State	
	Consumers	Grid operators recover the costs of grid usage by passing them on to final consumers .
	Grid operator	The costs of grid use are borne by grid operators in accordance with the provisions of (Arts. 39 – 43 ARG/elt 199/11).
	Plant operator	
	European Union	
	Distribution mechanism	



Grid expansion

Abbreviated form of legal source	<ul style="list-style-type: none"> DL 79/99 ARG/elt 99/08 ARG/elt 123/08 	
Contact Authority	Authority for Electricity and Gas	
Overview	<p>A given applicant is entitled against the grid operator to the expansion of the grid, if this expansion is required to satisfy the claim for connection to the grid (art 7.3 and art. 19.1 Annex A ARG/elt 99/08 in conjunction with art. 3.1 and art. 9.1 DL 79/99).</p> <p>Entitled party. All persons applying for connection are entitled to connection to and by that also to the expansion of the grid, which might be necessary for connection (art. 3.1 and art. 9.1 DL 79/99). This definition includes producers of electricity from renewable sources.</p> <p>Obligated party. The obligated party is the grid operator (art 3.1 and 9.1 DL 79/99).</p>	
Procedure	Process flow	A given applicant is entitled against the grid operator to the expansion of the grid, if this expansion is required to satisfy the claim for connection to the grid (art 7.3 and art. 19.1 Annex A ARG/elt 99/08 in conjunction with art. 3.1 and art. 9.1 DL 79/99).
	Enforcement of claims	The claims for connection to the grid and for the expansion of the grid, which might be necessary for connection, arise on the date of conclusion of the contract with the grid operator. When a given electricity producer comes into a conflict with the grid operator, he may request dispute resolution from the Market Directorate (Direzione mercati) of regulatory authority AEEG (art. 3 Annex A ARG/elt 123/08). The dispute settlement procedure is extensively described in Annex A ARG/elt 123/08.
	Deadlines	<ul style="list-style-type: none"> The distribution grid operator must connect a plant within the following timescales: <ul style="list-style-type: none"> 30 working days for basic works (art. 10.1.a Annex A ARG/elt 99/08), 90 working days for complex procedures, plus 15 working days for



		<p>every kilometre of connection line except the first kilometre (art. 10.1.a Annex A ARG/elt 99/08).</p> <ul style="list-style-type: none"> The transmission grid operator must connect a plant within the timescales specified in his terms and conditions (art. 23.1 Annex A ARG/elt 99/08 and Terna Network Code, art. 1A .5.8.4).
	Obligation to inform	
Regulatory incentives for grid expansion and innovation		
Distribution of costs		
	State	
	Consumers	
	Grid operator	In the case of renewable energy sources, the grid operator bears the costs for expanding the grid. (Arts. 9, 21 and 26.2 ARG/elt 99/08).
	Plant operator	
	European Union	
	Distribution mechanism	
Grid studies		

RES-H&C support schemes

Summary of support schemes

Overview	A price-based scheme (Conto Termico) is in place in Italy for small RES-H sources. Heat pumps (aerothermal, geothermal, hydrothermal), biomass and solar thermal are eligible technologies and the incentive is granted for a period varying between 2 and 5 years. Furthermore, a tax regulation system is currently in place for the promotion of RES-H and a loan is provided for the years 2012, 2013, 2014, for new installations.
Summary of support schemes	<ul style="list-style-type: none"> • Price-based scheme. This scheme provides an incentive for small RES-H sources. The eligibility depends on the source and the type of installation. • Loan. The loan has a life-span of three years (2012 – 2013 – 2014) and a total amount of € 600 million. It supports biomass, biogas, geothermal and solar thermal plants. • Tax regulation scheme. This scheme allows for a 55 % tax deduction (“detrazione”) for expenses related to refurbishment of existing buildings and / or energetic requalification of buildings and / or installation of RES-H technologies
Technologies	<ul style="list-style-type: none"> • Aerothermal • Biogas • Biomass • Geothermal • Solar Thermal
Statutory provisions	<ul style="list-style-type: none"> • L 220/10 (Legge 13 Dicembre 2010, n. 220. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge di stabilità 2011. - Act No. 220 of 13 December 2010. Provisions on the formation of the annual budget. Budget Act of 2011.) • DM 28/12/12 (Decreto Ministeriale 28 dicembre 2012. Incentivazione della produzione di energia termica da fonti rinnovabili ed interventi di efficienza energetica di piccole dimensioni. - Ministerial Decree 28 December 2012. Incentives for the production of thermal energy from renewable sources and interventions of energy efficiency of small size.) • DM 25/11/08 (Decreto Ministeriale 28 novembre 2011, Disciplina delle modalità di erogazione dei



	<p>finanziamenti a tasso agevolato ai sensi dell'articolo 1, comma 1110-1115, della legge 27 dicembre 2007, n. 296 - Fondo Rotativo per il finanziamento delle misure finalizzate all'attuazione del Protocollo di Kyoto - Ministerial Decree 28 November 2011, Regulation of the granting modalities of the financing at a subsidized rate as scheduled by Art. 1, c. 1110-1115 of l. 296/06.)</p> <ul style="list-style-type: none">• C 16/02/12 (Circolare del 16 febbraio 2012. Circolare attuativa, ex articolo 2, comma 1, lettera s), del Decreto del 25 novembre 2008 - Communication of 16 February 2012. Enactment of Decree 25/11/08.)• L 296/06 (Legge 27 Dicembre 2006, n. 296. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2007 - Act No. 296 of 27 December 2006. Provisions on the formation of the annual budget. Budget Act of 2007)• L 244/07 (Legge 24 Dicembre 2007, n. 244. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2008 - Act No. 244 of 24 December 2007. Provisions on the formation of the annual budget. Budget Act of 2008)• DL 28/11 (Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE - Legislative Decree 3 March 2011, no. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and repealing Directives 2001/77/CE and 2003/30/CE)
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Basic information on legal sources

Name of legal source (original language)	Legge 13 Dicembre 2010, n. 220.	Decreto Ministeriale 28 dicembre 2012	Decreto Ministeriale 28 novembre 2011,
Full name	Legge 13 Dicembre 2010, n. 220. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge di stabilità 2011.	Decreto Ministeriale 28 dicembre 2012. Incentivazione della produzione di energia termica da fonti rinnovabili ed interventi di efficienza energetica di piccole dimensioni.	Decreto Ministeriale 28 novembre 2011, Disciplina delle modalità di erogazione dei finanziamenti a tasso agevolato ai sensi dell'articolo 1, comma 1110-1115, della legge 27 dicembre 2007, n. 296 - Fondo Rotativo per il finanziamento delle misure finalizzate all'attuazione del Protocollo di Kyoto.
Name (English)	Act No. 220 of 13 December 2010. Provisions on the formation of the annual budget. Budget Act of 2011.	Ministerial Decree 28 December 2012. Incentives for the production of thermal energy from renewable sources and interventions of energy efficiency of small size.	Ministerial Decree 28 November 2011, Regulation of the granting modalities of the financing at a subsidized rate as scheduled by Art. 1, c. 1110-1115 of l. 296/06.
Abbreviated form	L 220/10	DM 28/12/12	DM 25/11/08.
Entry into force	01.01.2011	02.01.2013	21.04.09
Last amended on	10.10.2012		
Future amendments			
Purpose	Budget act of 2011	Establishment of new incentives for RES-	Regulating the loan set by l. 296/06.



		H sources.	
Relevance for renewable energy	<p>Art. 1, c. 1110-1115 establishes the “Fondo Rotativo per Kyoto” loan.</p> <p>Article 1 c. 48 introduces changes to the treatment of solar thermal plants with respect to the provisions of L 296/06</p>		This loan allows subsidies for new investments in RES plants.
Link to full text of legal source (original language)	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2010-12-21&atto.codiceRedazionale=010G0238&currentPage=1	http://www.gse.it/it/Conto%20Termico/GSE_Documenti/ DM 28 DICEMBRE 2012 CONTO TERMICO.PDF	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2012-02-08&atto.codiceRedazionale=012G0017&currentPage=1
Link to full text of legal source (English)			



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Name of legal source (original language)	Circolare del 16 febbraio 2012.	Legge 27 Dicembre 2006, n. 296.	Legge 24 Dicembre 2007, n. 244.
Full name	Circolare del 16 febbraio 2012. Circolare attuativa, ex articolo 2, comma 1, lettera s), del Decreto del 25 novembre 2008.	Legge 27 Dicembre 2006, n. 296. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2007	Legge 24 Dicembre 2007, n. 244. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2008
Name (English)	Communication of 16 February 2012. Enactment of Decree 25/11/08.	Act No. 296 of 27 December 2006. Provisions on the formation of the annual budget. Budget Act of 2007	Act No. 244 of 24 December 2007. Provisions on the formation of the annual budget. Budget Act of 2008
Abbreviated form	C 16/02/12	L 296/06	L 244/07
Entry into force	01.03.2012	01.01.2007	01.01.2008
Last amended on		13.09.2012	09.07.2012
Future amendments			
Purpose	To enact the fund regulated by DM 25/08/12	Budget act of 2007	Budget act of 2008
Relevance for renewable energy	To allow loans at a subsidized rate for RES.	Article 1, paragraphs 345-348 provide indications for tax deductions for RES-H plant installations in buildings. Article 1, c. 1110-1115 provides for the establishment of the Kyoto Fund.	Article 2, paragraphs 143 to 176 of the Budget Act introduces changes in the promotion of electricity from renewable sources and its supply to the grid.



Link to full text of legal source (original language)	http://portalecdp.cassaddpp.it/content/groups/public/documents/ace_documenti/011516.pdf	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2006-12-27&atto.codiceRedazionale=006G0318&currentPage=1	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2007-12-28&atto.codiceRedazionale=007G0264&currentPage=1
Link to full text of legal source (English)			



Name of legal source (original language)	Decreto Legislativo 3 marzo 2011, n. 28.		
Full name	Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE		
Name (English)	Legislative Decree 3 March 2011, no. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and repealing Directives 2001/77/CE and 2003/30/CE		
Abbreviated form	DL 28/11		
Entry into force	29.03.2011		
Last amended on	29.12.2012		
Future amendments			
Purpose	To define instruments, mechanisms, incentives and the institutional, financial and legal frameworks necessary for achieving the 2020 goals as regards the total quota of renewable energy in final		



	consumption and in transports. This legislative decree is the framework for changes in the Italian support schemes.		
Relevance for renewable energy	This decree initiates changes in the support schemes for renewable energy in Italy, including some related to RES H&C networks.		
Link to full text of legal source (original language)	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2011-03-28&atto.codiceRedazionale=011G0067&currentPage=1		
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)
Gestore dei Servizi Energetici - GSE	http://www.gse.it/it/Pages/default.aspx		+39 06.8011.43.88	rinnovabili@gse.it



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Agenzia delle Entrate	http://www.agenziaentrate.gov.it/wps/portal/entrate/home		+39 848.800.444	
Cassa Depositi e Prestiti S.p.a.	http://www.cassaddpp.it/		+39 06 4221.1	



Support schemes

Loan (Fondo Kyoto)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • L 296/06 • DM 25/11/08 • C 16/02/12 	
Contact Authority	The Cassa Depositi e Prestiti S.p.a.	
Summary	The fund has a total amount of € 600 million, broken down in three equal parts for three years: 2012, 2013, 2014 (Art. 1, c. 1113, l. 296/06 in conjunction with Art. 1, c. 1-3, C 16/02/2012). The fund supports Biomass, biogas, geothermal and solar thermal plants.	
Eligible technologies	General information	Only new investments in renewable energy plants are eligible (Art. 6, c. 1 DM 25/11/08). Biomass, biogas, geothermal and solar thermal are eligible for this loan.
	Aerothermal	
	Hydrothermal	
	Biogas	Eligible: <ul style="list-style-type: none"> • Co-generating plants only, with a maximum capacity of 50 kWe (Art. 6, c. 2, l. a, DM 25/11/08);
	Biomass	Eligible: <ul style="list-style-type: none"> • Solid vegetable biomass plants with nominal thermal



		<p>capacity between 45 and 450 kWt (Art. 6, c. 2, l. b, n. 4, DM 25/11/08);</p> <ul style="list-style-type: none"> Co-generating plants using solid vegetable biomass or liquid biofuels of vegetable origin with maximum capacity of 50 kWe (Art. 6, c. 2, l. a, DM 25/11/08); Co-generating plants using solid vegetable biomass or liquid biofuels of vegetable origin, with maximum capacity of 500 kWe and used for district heating and whose investment includes the district heating network and the connection to buildings (Art. 6, c. 2, l. d, n. 2, l, DM 25/11/08);
	Geothermal energy	<p>Eligible:</p> <ul style="list-style-type: none"> Low enthalpy plants used for climatisation up to a size of 1 MWt (Art. 6, c. 2, l. d, n. 2, II, DM 25/11/08);
	Solar Thermal	<p>Eligible:</p> <ul style="list-style-type: none"> Installation size must be below 200 m² (Art. 6, c. 2, l. b, n. 3, DM 25/11/08).
Amount	<p>The maximum available loan depends on the nature of the subject and on the plant and size technology. The maximum loans are calculated according to those variables with the provisions set out in Art. 10, DM 25/11/08.</p> <p>The yearly nominal interest rate is set at 0.5 % (Art. 15 C 16/02/12 in connection with Art. 19, c. 1, DM 25/11/08), regardless of the rates offered on the market.</p>	
Addressees	<p>Entitled party: companies, physical and legal entities, public entities can benefit from the loan. Only public entities can benefit from the loan from investments in Solar Thermal plants (Art. 5, DM 25/11/08).</p> <p>Obligated Party: Ministry of environment, and safeguard of territory and sea, (Art. 3, c. 2, DM 25/11/08).</p>	



Procedure	Process flow	<p>The phases of the procedures are set out in Art. 14, c. 2, DM 25/11/08 and are:</p> <p>1 – Filing of request 2a – Preliminary investigation 2b – Technical investigation 2c – economic and financial investigation 3 – Grant or denial</p>
	Competent authority	The Cassa Depositi e Prestiti S.p.a. (Art. 1, c. 1115, l 296/06).
Flexibility mechanism	This scheme can be paired with other sources of support, as long as current European regulations on the maximum intensity of support is respected (Art. 13, c. 1, DM 25/11/08).	
Distribution of costs	State	Costs are borne by the State – specifically from the Ministry of environment and safeguard of territory and sea (Art. 3, c. 2, DM 25/11/08)..
	Consumers	
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	<ul style="list-style-type: none"> Ministry of environment provides funds to the Cassa depositi e prestiti S.p.a. Cassa depositi e prestiti S.p.a. manages the funds and grants them to successful applicants.



Tax regulation mechanism (Tax deduction)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • L 296/06 • L 244/07 • L 220/10 	
Contact Authority	Agenzia delle Entrate	
Summary	This scheme allows for a 55 % tax deduction (“detrazione”) for expenses related to refurbishment of existing buildings and / or energetic requalification of buildings and / or installation of RES-H technologies (Art. 1, c. 344 – 347, l. 296/06). This disposition is valid for works undertaken up to 31 June 2013 (Art. 1, c. 48, L 220/10).	
Eligible technologies	General information	Aerothermal, geothermal and solar thermal are eligible.
	Aerothermal	Eligible (High Efficiency Heat Pumps) (Art. 1, c. 347, l. 296/06 in connection with Art. 1, c. 286, l. 244/07).
	Hydrothermal	
	Biogas	
	Biomass	
	Geothermal energy	Eligible (Low Enthalpy Geothermal Plants) (Art. 1, c. 347, l. 296/06 in connection with Art. 1, c. 286, l. 244/07).
	Solar Thermal	Eligible if aimed to the production of hot water for domestic or industrial use or for producing hot water for swimming pools, spot facilities, clinics, schools and universities (Art. 1, c. 346, l. 296/06).



Amount	<p>Aerothermal: € 30,000, to be distributed over three years with three quotas of equal amount (Art. 1, c. 347, l. 296/06 in connection with Art. 1, c. 286, l. 244/07).</p> <p>Geothermal: € 30,000, to be distributed over three years with three quotas of equal amount (Art. 1, c. 347, l. 296/06 in connection with Art. 1, c. 286, l. 244/07).</p> <p>Solar Thermal plants: € 60,000, to be distributed over ten years with ten quotas of equal amount (Art. 1, c. 346, l. 296/06 in connection with Art. 1, c. 48, l. 220/10).</p>	
Addressees	<p>Entitled party: any party installing eligible plants.</p> <p>Obligated party: the State.</p>	
Procedure	Process flow	<p>The tax deduction (“detrazione”) is conceded if:</p> <ul style="list-style-type: none"> • A certified technician checks the plants and declares their conformity with the technical requirements (Art. 1, c. 348, l. 296/06) • The plant operator provides an energetic certificate for the building in accordance with legislative decree 192 of 2005, or a statement by a certified technician. This does not apply to Solar Thermal plants. (Art. 1, c. 348, l. 296/06 in connection with Art. 1, c. 24, l. c, l. 244/07). <p>Plant operators, after obtaining such documents, have to transmit them to the National Agency for New Technologies, Energy and Sustainable Development (ENEA).</p>
	Competent authority	The tax agency (“Agenzia delle Entrate”).
Flexibility Mechanism		



Distribution of costs	State	The State bears the cost, in terms of lower income from taxes.
	Consumers	
	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	



Price-based mechanisms (Conto Termico)

Abbreviated form of legal source(s)	DM 28/12/12 DL 28/11	
Contact Authority	GSE	
Summary	A price-based scheme (Conto Termico) is in place in Italy for small RES-H sources. Heat pumps (aerothermal, geothermal, hydrothermal), biomass and solar thermal are eligible technologies and the incentive is granted for a period varying between 2 and 5 years.	
Eligible technologies	General information	<p>Aerothermal, hydrothermal, biomass, geothermal and solar thermal are eligible sources, provided that they fall in one of the following cases (Art. 6, Table A, DM 28/12/12):</p> <ul style="list-style-type: none"> • Substitution of existing heating systems with heat pumps • Substitution of existing heating systems with biomass installations • Substitution of existing boilers with heat pump-based boilers • Installation of solar thermal systems
	Aerothermal	Eligible for capacities below 1000 kW (Art. 2, c 1 and Art. 4, c.2, l. a DM 28/12/12)
	Hydrothermal	Eligible for capacities below 1000 kW (Art. 2, c 1 and Art. 4, c.2, l. a



		DM 28/12/12)
	Biogas	
	Biomass	Eligible for capacities below 1000 kW (Art. 2, c 1 and Art. 4, c.2, l. b DM 28/12/12)
	Geothermal energy	Eligible for capacities below 1000 kW (Art. 2, c 1 and Art. 4, c.2, l. a DM 28/12/12)
	Solar Thermal	Eligible for surfaces below 1000 m2(Art. 2, c 1 and Art. 4, c.2, l. c DM 28/12/12)
Amount	General information	Incentives vary depending on the type, the source, the capacity and the location of the installation (Art. 6, Table A, in conjunction with Annex II DM 28/12/12).
	Aerothermal	
	Hydrothermal	
	Biogas	
	Biomass	
	Geothermal energy	



	Solar Thermal	
Degression	General information	The incentive level is adjusted after the cap of € 700 million is reached (Art. 1, c. 4 DM 28/12/12) or 2 years after the entering into force of DM 28/12/12 and subsequently every 3 years by means of an interministerial decree (Art. 1, c. 2 DM 28/12/12 in conjunction with Art. 28, c. 2, DL 28/2011).
	Aerothermal	
	Hydrothermal	
	Biogas	
	Biomass	
	Geothermal energy	
	Solar Thermal	
Cap	The cap is set at € 700 million. After reaching this cap, the incentive level will be adjusted (Art. 1, c. 4 DM 28/12/12).	
Eligibility period	<p>Depending on the type of intervention and capacity, incentives are granted for the following amounts of time:</p> <ul style="list-style-type: none"> Substitution of existing heating systems with aerothermal, hydrothermal or geothermal heat pumps or biomass installations <ul style="list-style-type: none"> For capacities below 35 kW: 2 years For capacities between 35kW and 1000 kW: 5 years Substitution of existing boilers with aerothermal, hydrothermal or geothermal heat pump-based boilers: 2 years 	



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	<ul style="list-style-type: none"> Installation of solar thermal systems <ul style="list-style-type: none"> For surfaces below 50 m²: 2 years For surfaces between 50 and 1000 m²: 5 years. <p>(Art. 6, Table A, in connection with Annex II DM 28/12/12).</p>	
Addressees	<p>Entitled party: Public bodies, private individuals or institutions (Art. 3, DM 28/12/12)</p> <p>Obligated party: the State.</p>	
Procedure	Process flow	<p>The installer must file the access request through the website of GSE within 60 days of the date in which works on the installation are finished (Art. 7, c. 1, 2, DM 28/12/12). Installations with a capacity between 500 and 1000 kW must be also included in a separate registry (Art. 7, c.4, DM 28/12/12).</p> <p>Following a verification of the submitted form along with the requested documents, the installer will be granted the incentive (Art. 7, c. 7, 8, DM 28/12/12).</p>
	Competent authority	GSE (Art. 8 DM 28/12/12)
Flexibility Mechanism		
Distribution of costs	State	
	Consumers	The costs of the support scheme are covered by consumers by means of an additional amount on the natural gas tariff (Art. 28, c. 4, DL 28/2011).



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	Plant operator	
	Grid operator	
	European Union	
	Distribution mechanism	



RES-H&C grid issues

Overview

Overview of grid issues	In Italy, district heating and cooling networks are managed at local level. National legislation provides only the framework legislation. DL 28/11, Art. 22, c. 3 provides an obligation for all municipalities above 50.000 inhabitants to establish, in cooperation with Provincial authorities and coherently with the regional energy plans, development plans for district heating and cooling with the aim to increase usage of the energy produced also from RES. Municipalities below 50,000 inhabitants can also develop such plans, however there is no obligation in place.
Connection to the grid	
Use of the grid	
Grid expansion	
Statutory provisions	<ul style="list-style-type: none"> DL 28/11 (Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE - Legislative Decree 3 March 2011, n. 28. Implementation of directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and repealing Directives 2001/77/CE and 2003/30/CE)



Basic information on legal sources

Name of legal source (original language)	Decreto Legislativo 3 marzo 2011, n. 28.		
Full name	Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE		
Name (English)	Legislative Decree 3 March 2011, no. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and repealing Directives 2001/77/CE and 2003/30/CE		
Abbreviated form	DL 28/11		
Entry into force	29.03.2011		
Last amended on	29.12.2012		
Future amendments			
Purpose	To define instruments, mechanisms, incentives and the institutional, financial and legal frameworks necessary for		



	<p>achieving the 2020 goals as regards the total quota of renewable energy in final consumption and in transports.</p> <p>This legislative decree is the framework for changes in the Italian support schemes.</p>		
Relevance for renewable energy	<p>This decree initiates changes in the support schemes for renewable energy in Italy, including some related to RES H&C networks.</p>		
Link to full text of legal source (original language)	<p>http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2011-03-28&atto.codiceRedazionale=011G0067&currentPage=1</p>		
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)
Autorità per l'energia elettrica e il gas (AEEG) – Regulatory Authority for Electricity and Gas	http://www.autorita.energia.it/it/index.htm		+39 026 556 51	info@autorita.energia.it



RES-T support schemes

Summary of support schemes

Overview	A quota system for biofuels is currently in place in Italy. This system is the main tool through which the 10% goal of biofuels in consumption is to be reached by 2020.
Summary of support schemes	The current goal foresees 5 % of biofuels in consumption by 2014. The competent authority is the Ministry of Environment and the obligated parties are all parties that feed gasoline or diesel in the system. Each obligated party must prove compliance by providing a certain number of certificates, which are distributed by the Ministry. Each certificate is tradable and corresponds to 10 GCal.
Technologies	Biodiesel, bioethanol and derivatives, ETBE and bio hydrogen are eligible.
Statutory provisions	<ul style="list-style-type: none"> • DL 28/11 • D 110/08 • DL 100/08 • L 244/07



Basic information on legal sources

Name of legal source (original language)	Decreto Legislativo 3 marzo 2011, n. 28.	Decreto 29 aprile 2008, n. 110.	Decreto 23 aprile 2008, n. 100.
Full name	Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE	Decreto 29 Aprile 2008, n. 110. Regolamento recante criteri, condizioni e modalità per l'attuazione dell'obbligo di immissione in consumo nel territorio nazionale di una quota minima di biocarburanti	Decreto 23 aprile 2008, n. 100. Regolamento recante le sanzioni amministrative per il mancato raggiungimento dell'obbligo di immissione in consumo di una quota minima di biocarburanti
Name (English)	Legislative Decree 3 March 2011, n. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and Repealing Directives 2001/77/CE and 2003/30/CE	Decree 29 April 2008, n. 110. Regulation establishing criteria and modalities for the implementation of the immission of a minimum biofuel quota in the national consumption.	Decree 23 April 2008, n. 100. Regulation establishing administrative sanctions as regards the lack of compliance with the obligation of a minimum biofuel quota.
Abbreviated form	DL 28/11	D 110/08	DL 100/08
Entry into force	29.03.2011	20.06.2008	07.06.2008
Last amended on	29.12.2012		
Future amendments			
Purpose	To define instruments, mechanisms, incentives and the institutional, financial	To define criteria and modalities for the implementation of the immission of a	To establish administrative sanctions as regards the lack of compliance with the



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	<p>and legal frameworks necessary for achieving the 2020 goals as regards the total quota of renewable energy in final consumption and in transports.</p> <p>This legislative decree is the framework for changes in the Italian support schemes.</p>	minimum biofuel quota in the national consumption.	biofuel quota obligation.
Relevance for renewable energy	This decree initiates changes in the support schemes for renewable energy in Italy.	Implementation of the biofuel obligation.	Establishing sanctions for the incompliance with biofuel quota obligations.
Link to full text of legal source (original language)	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2011-03-28&atto.codiceRedazionale=011G0067&currentPage=1	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2008-06-19&atto.codiceRedazionale=008G0132&currentPage=1	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2008-06-06&atto.codiceRedazionale=008G0120&currentPage=1
Link to full text of legal source (English)			



Name of legal source (original language)		Legge 24 Dicembre 2007, n. 244.	
Full name		Legge 24 Dicembre 2007, n. 244. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2008	
Name (English)		Act No. 244 of 24 December 2007. Provisions on the formation of the annual budget. Budget Act of 2008	
Abbreviated form		L 244/07	
Entry into force		01.01.2008	
Last amended on		29.12.2012	
Future amendments			
Purpose		Budget act of 2008	
Relevance for renewable energy		This law sets the procedure for adjusting the biofuel quota	
Link to full text of legal source (original language)		http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2007-12-	



		<u>28&atto.codiceRedazionale=007G0264&currentPage=1</u>	
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)
Ministero dello Sviluppo Economico – Ministry of Economic Development	http://www.sviluppoeconomico.gov.it		+39 06 47051	urp@sviluppoeconomico.gov.it
Ministero dell'Ambiente e della Tutela del Territorio e del Mare – Ministry of Environment	http://www.minambiente.it/		+39 065 72 21	URP@minambiente.it



Support schemes

Biofuel quota (Obbligo di immissione)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • DL 28/11 • D 110/08 • DL 100/08 • L 244/07 	
Contact Authority	Ministry of Environment	
Summary	This scheme defines an amount of biofuels to be included in all petrol and gasoline destined to transport.	
Eligible technologies	General information	Biodiesel, bioethanol and derivatives, bio hydrogen and ETBE are eligible (Art. 2, c. 1 D 110/08).
	Biofuels	Biodiesel, bioethanol and derivatives and ETBE are eligible (Art. 2, c. 1 D 110/08).
	Electricity	
	Hydrogen	Bio hydrogen is eligible (Art. 2, c. 1, D 110/08).
Amount	Amount of quota and period of application	Every year, the quota is calculated with the formulas laid out in Art. 3, D 110/08. DL 28/11 established that the quota to be reached by 2014 is 5 %. (Art. 33, c. 2, DL 28/11)
	Adjustment of quotas	A new Ministerial Decree must be published by the Ministry of economic development, in connection with the Ministry of agricultural, alimentary and forestall policies, the Ministry of economics and finance and the Ministry of the environment and the



		safeguard of territory and sea (Art. 2, c. 140, L 244/07).
	Fees and penalty charges	The amount for non-compliance with the obligation is fixed between € 600 and 900 per certificate, depending on the degree of non-compliance (Art. 1 DL 100/08)
Addressees	All subjects that, in the preceding year, fed gasoline or diesel for consumption in the system (art.2, c.1, l. d, D 110/08).	
Procedure	Process flow	<p>Until 31 January of each year, the obligated parties communicate to the competent authority the total amount of gasoline, diesel and biofuels fed in the system in the previous year and the amount of biofuels they are to feed in the system in the current year, calculated according to the formulas of Art. 3, D 110/08 (Art. 3, c. 1 D 110/08).</p> <p>Until 31 March of each year, the competent authority releases certificates to the entitled parties based on their declaration for the previous year and on its own estimates based on available data and on the data provided by the customs agency (Art. 5, c. 5 D 110/08). Each certificate has a value of 10 Gcal, the immission of 10 Gcal of biofuels gives rights to a certificate (Art. 5. c. 2, 4, D 110/08).</p> <p>Until 31 May of each year, each party provides the competent authority with all the certificates related to the previous year (Art. 6 D 110/08).</p> <p>Until 30 September, the competent authority verifies the amounts corresponding to the received certificates with the information received until 31 January and verifies compliance to the obligation (Art. 7, c. 2 D 110/08).</p>
	Competent authority	The Ministry of agricultural, alimentary and forestal policies (art. 5, c. 1, D 110/08).



Flexibility Mechanism		
Distribution of costs	State	
	Consumers	Biofuel immission certificates create additional costs to producers and importers. These costs are mirrored by gasoline prices.
	European Union	
	Others	
	Distribution mechanism	<ul style="list-style-type: none"> • The Authority, through the obligation, creates additional costs to producers and importers • Producers increase their prices to withstand those costs • Costs are redistributed to consumers



Policies

Summary of policies

Overview	In Italy, training programmes are being developed at regional level, where they should be in place by 31 December 2012. Certification of installed plants is obligatory. All new or refurbished buildings must integrate RES, with an additional 10 % to the obligation level for public buildings. A guarantee fund is in place for supporting district heating network development. In addition, a loan can also be used for supporting investment in district heating infrastructure.
Summary of policies	<p>In Italy training programmes for installers are regulated at central level but set up and managed at regional level. They are supposed to be all in place by 31 December 2012.</p> <p>Each installer, after having installed a plant on any building, is required by law to release a certificate of compliance with a set of Standards outlined in DM 37/08.</p> <p>All new buildings and all buildings undergoing major refurbishment are obliged to integrate RES-E and RES-H. There are different obligations depending on the building type and size, and for public buildings the obligations are increased by 10 %.</p> <p>A guarantee fund supporting the development of district heating networks is in place within the “Cassa congruaglio” for the electricity sector. An additional fee of € 0.05/Sm3 (Sm3 is a quantity measurement unit at specified pressure and temperature levels) is applied to the consumption of natural gas.</p> <p>The “Fondo Kyoto” allow loans at a subsidised rate for district heating infrastructure under certain conditions.</p>
Technologies	<p>The certification obligation applies to electricity production units and heating, cooling, air conditioning plants.</p> <p>The training programmes apply to boilers, fireplaces and biomass heaters, building-mounted PV and solar thermal installations, low enthalpy biomass plants and heat pumps.</p> <p>The obligation to integrate RES-H and RES-E in buildings does not specify technologies but only the criteria that</p>



	have to be respected.
Statutory provisions	<ul style="list-style-type: none">• DL 28/11• DM 37/08• DPR 380/01• L 296/06• DM 25/11/08• C 16/02/12



Basic information on legal sources

Name of legal source (original language)	Decreto Legislativo 3 marzo 2011, n. 28.	Decreto 22 gennaio 2008, n. 37 del Ministero dello Sviluppo Economico.	Decreto del Presidente della Repubblica 6 giugno 2001, n. 380.
Full name	Decreto Legislativo 3 marzo 2011, n. 28. Attuazione della direttiva 2009/28/CE sulla promozione dell'uso dell'energia da fonti rinnovabili recante modifica e successiva abrogazione delle direttive 2001/77/CE e 2003/30/CE	Decreto 22 gennaio 2008, n. 37 del Ministero dello Sviluppo Economico. Regolamento concernente l'attuazione dell'articolo 11-quaterdecies, comma 13, lettera a) della legge n. 248 del 2 dicembre 2005, recante riordino delle disposizioni in materia di attivita' di installazione degli impianti all'interno degli edifici.	Decreto del Presidente della Repubblica 6 giugno 2001, n. 380. Testo unico delle disposizioni legislative e regolamentari in materia edilizia.
Name (English)	Legislative Decree 3 March 2011, no. 28. Implementation of Directive 2009/28/CE on Promotion of Use of Energy from Renewable Energy Sources modifying and Repealing Directives 2001/77/CE and 2003/30/CE	Decree of 22 January 2008, n. 37 of the Ministry of Economic Development. Regulation related to the enactment of Art. 11-quaterdecies, c. 13, l. a of law 248 of 2 December 2005, restructuring the dispositions related to activities of plant installation within buildings.	Decree of the President of the Republic of 6 June 2001, n. 380. Single text of legislative and regulatory dispositions in construction issues.
Abbreviated form	DL 28/11	DM 37/08	DPR 380/01
Entry into force	29.03.2011	27.03.2008	01.01.2002
Last amended on	29.12.2012	25.06.2008	26.06.2012



Future amendments			
Purpose	<p>To define instruments, mechanisms, incentives and the institutional, financial and legal frameworks necessary for achieving the 2020 goals as regards the total quota of renewable energy in final consumption and in transports.</p> <p>This legislative decree is the framework for changes in the Italian support schemes.</p>	<p>To regulate activities related to the installation of plants in buildings. The term “plant” as used in this Decree relates to any installation, including whether energy-producing installations. RES plants are included in this definition.</p>	<p>To regulate fundamental and general principles and dispositions for the discipline of the building activity.</p>
Relevance for renewable energy	<p>This decree sets new conditions for the support schemes in the support schemes for renewable energy in Italy.</p>	<p>This Decree regulates how RES plants are to be installed into buildings, including certification issues, responsibilities and qualifications of installers.</p>	<p>Some dispositions of DL 28/11 make explicit reference to this Decree.</p>
Link to full text of legal source (original language)	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2011-03-28&atto.codiceRedazionale=011G0067&currentPage=1	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2008-03-12&atto.codiceRedazionale=008G0060&currentPage=1	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2001-10-20&atto.codiceRedazionale=001G0429&currentPage=1
Link to full text of legal source (English)			



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Name of legal source (original language)	Legge 27 Dicembre 2006, n. 296.	Decreto Ministeriale 28 novembre 2011,	Circolare del 16 febbraio 2012.
Full name	Legge 27 Dicembre 2006, n. 296. Disposizioni per la formazione del bilancio annuale e pluriennale dello Stato. Legge finanziaria 2007	Decreto Ministeriale 28 novembre 2011, Disciplina delle modalità di erogazione dei finanziamenti a tasso agevolato ai sensi dell'articolo 1, comma 1110-1115, della legge 27 dicembre 2007, n. 296 - Fondo Rotativo per il finanziamento delle misure finalizzate all'attuazione del Protocollo di Kyoto.	Circolare del 16 febbraio 2012. Circolare attuativa, ex articolo 2, comma 1, lettera s), del Decreto del 25 novembre 2008.
Name (English)	Act No. 296 of 27 December 2006. Provisions on the formation of the annual budget. Budget Act of 2007	Ministerial Decree 28 November 2011, Regulation of the granting modalities of the financing at a subsidized rate as scheduled by Art. 1, c. 1110-1115 of l. 296/06.	Communication of 16 February 2012. Enactment of Decree 25/11/08.
Abbreviated form	L 296/06	DM 25/11/08.	C 16/02/12
Entry into force	01.01.2007	21.04.09	01.03.2012
Last amended on	29.12.2012		
Future amendments			
Purpose	Budget act of 2007	Regulating the loan set by l. 296/06.	To enact the fund regulated by DM 25/08/12



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Relevance for renewable energy	Article 1, c. 1110-1115 provide for the establishment of the Kyoto Fund.	This loan allows subsidies for new investments in RES plants.	To allow loans at a subsidized rate for RES.
Link to full text of legal source (original language)	http://www.normattiva.it/atto/caricaDettaglioAtto?atto.dataPubblicazioneGazzetta=2006-12-27&atto.codiceRedazionale=006G0318&currentPage=1	http://www.gazzettaufficiale.biz/atti/2009/20090092/09A04250.htm	http://portalecdp.cassaddpp.it/content/groups/public/documents/ace_documenti/011516.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)
Ministry of Economic Development	http://www.sviluppoeconomico.gov.it/		+39 06.4705.1	urp@sviluppoeconomico.gov.it
Autorità per l'energia elettrica e il gas (AEEG) – Regulatory Authority for Electricity and Gas	http://www.autorita.energia.it/it/inglese/index.htm		+39 02655651	info@autorita.energia.it
ENEA – National Agency for new technologies, energy and sustainable development	http://www.enea.it/it		+39 0630484066	uca@enea.it
ACCREDIA – Italian accreditation body	http://www.accredia.it/		+39 06 844099.1	info@accredia.it
Cassa depositi e prestiti (Deposits and loans bank)	http://www.cassaddpp.it/cdp/index.htm		+39 064221.1	



Policy categories

Training programmes for Installers

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • DM 37/08 • DL 28/11 	
Sectors	RES-E, RES-H&C	
Contact Authority	ENEA	
Description	<p>Art. 15 of DL 28/11, in connection with DM 37/08, indicates that training programmes for obtaining the professional qualification of installer will have to be set up by regional authorities before 31 December 2012. Specific indications on the courses, such as mandatory examination and training period, are given in Annex 4 DL 28/11. Such courses are one of the possible ways of obtaining a professional qualification, the other ones being a related university diploma, a technical institute diploma with two years of experience afterwards, a period of three years as specialized installer working for a qualified company (Art. 4, c. 1, II. a-d DL 37/08)</p>	
Addressees	<p>People wishing to obtain, through a course, a professional qualification of installer of boilers, fireplaces and biomass heaters, building-mounted PV and solar thermal plants, low enthalpy biomass plants and heat pumps (Art. 15, c. 1, DL 28/11).</p>	
Competent authority	<p>Authorities at regional level or, if they do not provide to set up such programmes before 31 December 2012, ENEA (National Agency for New Technologies, Energy and Sustainable Economic Development) (Art. 15, c. 4, DL 28/11).</p>	
Further information	www.enea.it	
Distribution of costs	State	
	Private Financing	
	European Union	



	Others	
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Certification Programmes for RES installations (Certification of RES installations)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DM 37/08 	
Sectors	RES-E, RES-H&C	
Contact Authority	Ministry of Economic Development	
Description	After installing the plant, the installer must provide the owner of the building with a declaration certifying compliance with the legislation in force related to the realisation and the installation of the specific plant and with the standards of the Italian National Unification Body (UNI) and of the Italian Electrotechnical Committee (CEI) (Art. 6, c. 1, l. a DM 37/08).	
Addressees	<p>This programme is addressed to any plant serving a building, regardless of its intended use, meaning it is also related to non-energy-generating plants (Art. 1, c. 1, DM 37/08). Among others the following plants are affected by this law:</p> <ul style="list-style-type: none"> Electricity production units (Art. 1, c. 2, l. a DM 37/08); Heating, cooling, air conditioning plants (Art. 1, c. 2, l. c DM 37/08). 	
Competent authority	This is a legal obligation.	
Further information		
Distribution of costs	State	
	Industry	
	System Producers	
	European Union	



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

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DL 28/11
Description	<p>In general, all new buildings and buildings undergoing major refurbishment must take the use of integrated RES into consideration (Art. 11, c. 1 DL 28/11). The values below apply to all buildings, for public buildings, such obligations are increased by 10% (Art. 6, Annex 3, DL 28/11).</p> <p>RES-H plants must guarantee:</p> <ul style="list-style-type: none"> 50% coverage of the foreseen consumption of warm sanitary water; and Coverage of the following percentages of the cumulative foreseen consumption of warm sanitary water, heating and cooling. <ul style="list-style-type: none"> 20 % if the request of the relevant building permit occurs between 31/05/2012 and 31/12/2012; 35 % if the request of the relevant building permit occurs between 01/01/2014 and 31/12/2016; 50 % if the request of the relevant building permit occurs after 01/01/2017 (Art. 1, Annex 3, DL 28/11) <p>RES-E plants must be integrated and installed with a capacity (P) calculated with the following formula:</p> $P = (1/k) * S$ <ul style="list-style-type: none"> P being the plant's capacity; S being the surface, in terms of terrain covered, of the concerned building; and k being a coefficient (m²/kW) with the following values: <ul style="list-style-type: none"> 80 if the request of the relevant building permit occurs between 31/05/2012 and 31/12/2012; 65 if the request of the relevant building permit occurs between 01/01/2014 and 31/12/2016; 50 if the request of the relevant building permit occurs after 01/01/2017 (Art. 3, Annex 3, DL 28/11) <p>These obligations do not apply:</p> <ul style="list-style-type: none"> To certain buildings with historical value (Art. 11, c. 2 DL 28/11); To buildings connected to district heating networks that cover their entire need for heating and warm sanitary water (Art. 5, Annex 3, DL 28/11)
Addressees	<p>All new buildings and buildings undergoing major refurbishment (Art. 11, c. 1 DL 28/11) and to public ones with an increase of 10 % in the obligation amount (Art. 6, Annex 3, DL 28/11).</p>



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Competent authority	The building permit is released by the relevant office of the city hall (Art. 13, c. 1, DPR 380/01). In case the RES building obligations are not respected, this permit is not provided (Art. 11, c. 3, DL 28/11).
Further information	



RES-H building obligations

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • DL 28/11 • DPR 380/01
Sectors	RES-H&C
Contact Authority	Local authorities
Description	<p>All new buildings and buildings undergoing major refurbishment must make use of integrated RES (Art. 11, c. 1 DL 28/11).</p> <p>RES-H plants must guarantee:</p> <ul style="list-style-type: none"> • 50 % coverage of the foreseen consumption of warm sanitary water; and • Coverage of the following percentages of the cumulative foreseen consumption of warm sanitary water, heating and cooling. <ul style="list-style-type: none"> ○ 20 % if the request of the relevant building permit occurs between 31/05/2012 and 31/12/2012; ○ 35 % if the request of the relevant building permit occurs between 01/01/2014 and 31/12/2016; ○ 50 % if the request of the relevant building permit occurs after 01/01/2017 (Art. 1, Annex 3, DL 28/11) <p>This obligation does not apply:</p> <ul style="list-style-type: none"> • To certain buildings with historical value (Art. 11, c. 2 DL 28/11); • To buildings connected to district heating networks that cover their entire need for heating and warm sanitary water (Art. 5, Annex 3, DL 28/11)
Obligated entities	All new buildings and buildings undergoing major refurbishment (Art. 11, c. 1 DL 28/11).
Competent authority	The building permit is released by the relevant office of the city hall (Art. 13, c. 1, DPR 380/01). In case the RES building obligations (either the ones mentioned above or other ones related to RES-E) are not respected, this permit is not provided (Art. 11, c. 3, DL 28/11).



Further information	
Obligation on regional level	Regions can increase the above-mentioned obligations through a regional law (Art. 11, c. 1, DL 28/11).

Support of RES-H infrastructure I (Fondo di garanzia per il teleriscaldamento – Guarantee fund for district heating)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> DL 28/11
Sectors	RES-H&C
Contact Authority	Authority for Electricity and Gas
Description	A guarantee fund supporting the development of district heating networks is in place within the “Cassa congruaglio” for the electric sector. An additional fee of € 0.05/Sm ³ (a standard measurement unit under specific conditions of pressure and temperature) is applied to the consumption of natural gas (Art. 22 DL 28/11).
Addressees	In general to the development of district heating networks. Specific subjects who can take advantage of the fund are not indicated in the law.
Competent authority	The regulator (Autorità per l’Energia Elettrica e il Gas – AEEG) is responsible for outlining the collection and application of the € 0.05/Sm ³ fee.
Further information	http://www.autorita.energia.it



Support of RES-H infrastructure II (Fondo Kyoto)

Abbreviated form of legal source(s)	<ul style="list-style-type: none"> • L 296/06 • DM 25/11/08 • C 16/02/12
Sectors	RES-E, RES-H&C
Contact Authority	Cassa Depositi e Prestiti S.p.a.
Description	The Kyoto Fund has a wide scope, and within this fund RES-H infrastructure is also supported. The fund has a total amount of € 600 million, broken down in three equal parts for three years: 2012, 2013, 2014 (Art. 1, c. 1113, l. 296/06 in connection with Art. 1, c. 1-3, C 16/02/2012).
Addressees	Companies, physical and legal entities, public entities (Art. 5, c. 1, l. d, DM 25/11/08) are entitled to receive funding for investment in district heating systems. Specifically, the investment must be in the parallel construction of a RES-H plant, of a district heating network and of the connection of the network to buildings. Eligible plants are co-generating plants using solid vegetable biomass or liquid biofuels of vegetable origin, with maximum capacity of 500 kWe and used for district heating (Art. 6, c. 2, l. d, n. 2, l, DM 25/11/08);
Competent authority	The Cassa Depositi e Prestiti S.p.a. (Art. 1, c. 1115, l 296/06).
Further information	http://www.cassaddpp.it/cdp/index.htm