



# COUNTRY POLICY PROFILE

## Romania

December 2015

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**LOG FILE OF CHANGES IN SUPPORT  
POLICIES AS COMPARED TO LATEST  
MEMBER STATE PROGRESS REPORT**

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## The EurObserv'ER project

The EurObserv'ER Barometers monitor the renewable energy progress in each Member State of the European Union. Every two months a barometer dedicated to one particular renewable energy technology is published. Moreover, once a year an [Overview Barometer](#) collects the main indicators published during the year and completes these with additional renewable sectors which have not been detailed in the individual Barometers. Finally, the Overview Barometer also reports on socio-economic aspects: employment and turnover in the field of renewables, and the renewable energy investment climate. The country policy reports monitor policy developments by providing an overview of policy changes compared to the Member State Progress Reports (updated until December 2015).

All Barometers are available for download at <http://www.eurobserv-er.org>. An overview of direct links to Barometers is available in the Annex.

New Barometer releases are announced on Twitter ([https://twitter.com/eurobserv\\_er](https://twitter.com/eurobserv_er)).



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## Abstract

According to the Directive 2009/28/EC of the European Parliament and of the European Council on the promotion of the use of energy from renewable sources the target for the share of energy from renewable sources in gross final energy consumption in the year 2020 for Romania is 24%, whereas in 2012 it reached 21,3%.

The Romanian renewable electricity promotion relies primarily on a quota system. Grid operators are obliged to develop their grids on the request of a plant operator, if the connection of a plant to the grid requires so. Romania has certain policies pertaining to renewable energy like training programmes for RES installers and on enhancing the development of RES-H infrastructure.

This report monitors the policy changes after the release of the 2013 Progress Report for Romania and is regularly updated. In recent months, no significant change in country's RES policies has been reported.

## Abbreviations

ANRE	Regulatory Authority of Energy
BTL	Biomass-to-Liquids
CHP	Combined heat and power plant
EEAG	Environmental and energy aid guidelines
EU-27	European Union, 27 Member States (excludes Croatia)
EU-28	European Union, 28 Member States (includes Croatia)
FiP	Feed-in premium (scheme)
FiT	Feed-in tariff (scheme)
GHG	Greenhouse gas(es)
GHG	Greenhouse gas
ktoe	Kiloton oil equivalent
MSW	Municipal solid waste
NREAP	National Renewable Energy Action Plan
PV	Photovoltaic energy
RE	Renewable energy
RED	Renewable Energy Directive
RES	Renewable energy sources
RMSW	Renewable Municipal solid waste (renewable fraction in MSW)
RQS	Renewable quota scheme
TSO	Transmission system operator

## Renewable energy mix

According to the [EurObserv'ER Bridging Report \(2015\)](#) the amount of renewable energy in Romania for the year 2013 was 5510.3 ktoe, +341.2 ktoe (+6.6%) compared to 2012. The 2012 share of renewable energy in Romania amounted to 22.8%, and for 2013 this share amounted to 23.9%; the target for 2020 has been defined as 24%.

In this total amount, the 2013 contribution from renewable electricity amounted to 1721.9 ktoe (20026 GWh), +415.2 ktoe (+31.8%) compared to 2012, for renewable heat the amount was 3580.1 ktoe, -62.6 ktoe (-1.7%) compared to 2012 and for renewable energy in transport the 2013 realisation was 208.2 ktoe, -11.4 ktoe (-5.2%) compared to 2012.

The most important technology in Romania (2013) is heat from biomass (3554.6 ktoe). Second technology is hydropower (1316.2 ktoe). Third comes wind power (348.0 ktoe). The growth rates range from -6.0% (for renewable electricity in transport) to 5150.0% (for solar power (photovoltaics and concentration solar power)).

**Table** Renewable energy production in Romania. Data have been expressed in ktoe and refer to the years 2012 and 2013

Romania		2012	2013	Difference	
		ktoe	ktoe	ktoe	Growth
Renewable Electricity	Hydropower	1060.8	1316.2	+255.4	+24.1%
	Geothermal	0.0	0.0	0.0	0.0%
	Solar	0.7	36.1	+35.4	+5150.0%
	Tidal & wave	0.0	0.0	0.0	0.0%
	Wind	227.0	348.0	+121.0	+53.3%
	Biomass	18.2	21.7	+3.4	+18.9%
	<b>Total</b>	<b>1306.7</b>	<b>1721.9</b>	<b>+415.2</b>	<b>+31.8%</b>
Renewable Heat	Geothermal	21.6	25.3	+3.7	+17.1%
	Solar	0.1	0.2	+0.1	+100.0%
	Biomass	3621.0	3554.6	-66.4	-1.8%
	Ambient heat	0.0	0.0	0.0	0.0%
<b>Total</b>	<b>3642.7</b>	<b>3580.1</b>	<b>-62.6</b>	<b>-1.7%</b>	
Renewable Transport	Bioethanol/bio-ETBE	59.3	56.1	-3.2	-5.4%
	Biodiesel	128.3	122.0	-6.3	-4.9%
	Renewable hydrogen	0.0	0.0	0.0	0.0%
	Renewable electricity	32.1	30.1	-1.9	-6.0%
	Other biofuels	0.0	0.0	0.0	0.0%
	<b>Total</b>	<b>219.7</b>	<b>208.2</b>	<b>-11.4</b>	<b>-5.2%</b>
<b>Total Renewable (calculated)</b>		<b>5169.1</b>	<b>5510.3</b>	<b>+341.2</b>	<b>+6.6%</b>

Source: EurObserv'ER 2015

## Recent RES Policy Developments

The current EurObserv'ER policy profile is listing recent policy changes in the EU Member States. Starting point for this monitoring is the situation as it has been described in the country's Progress Report (which were due end of 2013). All Renewable Energy Progress Reports are available in English language from [www.eurobserv-er.org](http://www.eurobserv-er.org) (translated versions).

<b>Date</b>	<b>Technology</b>	<b>Policy change</b>
2005	All renewable electricity	Law 220/2008 stipulates that, this year, the electricity quota produced from renewable energy sources, which receives the promotion system through green certificates, should be increased by 15%
January 2014	All renewable electricity	The share of electricity from renewable energy sources to be delivered is defined on an annual basis by the energy regulator ANRE and taking into account the national level of quota fulfilment and the estimated impact on the electricity prices for final consumers.
February 2014	General	The European Commission released the Progress Report for the Romania in February 2014. See Section 2 (page 8) to Section 4 (page 30) for a description of policy measures and support schemes.
March 2014	All renewable electricity	The 224 / 2014 Government Decision to establish the Renewable Energy Sources Electricity quota was published in the Official Gazette of Romania on 28 March 2014. Curtailing aid for renewable power.
December 2014	General	Klaus Iohannis elected as the new President, a zealous supporter of clean energy who was strongly supported by the Green Party during the elections. The new president may be able to bring a sense of stability for the wind and solar sectors
February 2015	All renewable electricity	The Romanian government is considering changes to a support program for renewable energy after a cut in incentives last year made many wind and solar power projects unprofitable.
April 2015 – December 2015		No policy changes

Note to the reader: the above overview has been compiled with care. However, in case you miss recent developments please be invited to inform EurObserv'ER on policy changes in a Member State. For communication use e-mail ([policy@eurobserv-er.org](mailto:policy@eurobserv-er.org)) or Twitter ([https://twitter.com/eurobserv\\_er](https://twitter.com/eurobserv_er)).

## Glossary

Auctions for granting renewable energy support	An auction is a process, organised by a governmental renewable energy implementation agency, of granting production or investment support to a specified volume of eligible renewable energy (or renewable energy generation capacity) based on the lowest bids per unit of renewable energy (or renewable energy generation capacity) by eligible renewable project developers.
Degression rate	See under 'Sliding feed-in tariff'
Feed-in tariff (FiT)	A technology-specific support scheme which provides for a technology-specific remuneration per unit of renewable energy payable to eligible renewable energy producers, typically for a period of 10-20 years. The FiT level is set <i>ex ante</i> by the National Regulatory Agency (NRA). It is to cover all future production costs including a <i>normal</i> rate of return to capital invested. In many schemes priority network access is offered to eligible renewable electricity generators, whilst a designated third party - e.g. the transmission or distribution network operator concerned - is being mandated to pay the FiT remuneration due. A proper, periodic review of FiT rates is often undertaken with the aim to prevent both too high FiTs so as to minimise regulatory rents, i.e. supra-normal returns and too low FiTs to preclude below-target market uptake because of FiT levels that are perceived by market participants to be less attractive.
Feed-in premium (FiP)	A technology-specific support scheme which provides for a technology-specific subsidy level per unit of renewable energy to eligible renewable energy producers, typically for a period of 10-20 years, at a pre-set fixed or floating (see under 'Floating FiP') rate, projected by the National Regulatory Agency (NRA) to enable renewable energy generation investments deemed commercially attractive by project developers without yielding supra-normal profits.
Floating FiP	A feed-in premium, which is periodically adjusted to exactly offset the change in the average energy wholesale market price, based on a pre-specified benchmark market price. A floating FiP may move freely or may only be allowed to move within a pre-set interval.
Grants	Grants are non-repayable funds disbursed by one party (grant makers), often a government department, corporation, foundation or trust, to a recipient, often (but not always) a non-profit entity, educational institution, business or an individual. (Source: Wikipedia.org)
Green public procurement	In Green public procurement contracting authorities take environmental issues into account when tendering for goods or services. The goal is to reduce the impact of the procurement on human health and the environment. (Source: Wikipedia.org)

NRA	National Regulatory Agency
Renewable quota scheme (RQS)	A renewable quota scheme mandates certain market actors (typically retail suppliers or large energy end-users) to respect a pre-set minimum share or amount of their total energy procurements from renewable sources of energy. Typically a tradable green certificate (TGC) scheme is operated to enable the obligated parties to prove their compliance with the prevailing renewable quota target by means of TGCs. Typically the renewable quota target is increased gradually over time. Renewable quota systems are also known under terms such as quota (obligation) schemes or renewable portfolio standards.
Request for tenders (RFT)	A request for tenders (RFT) is a formal, structured invitation to suppliers, to bid, to supply products or services. In the public sector an official fee is needed to fortify and secure the tender bid engagement/win documents, such a process may be required and determined in detail by law to ensure that such competition for the use of public is open, fair and free from bribery and nepotism. For example, a government may put a certain level of MW of offshore wind energy at a pre-defined location 'out to tender'; that is, publish an invitation for other parties to make a proposal for the construction of offshore wind farms, on the understanding that any competition for the relevant government contract must be conducted in response to the tender, no parties having the unfair advantage of separate, prior, closed-door negotiations for the contract. An evaluation team will go through the tenders and decide who will get the contract. (source: adapted from Wikipedia.org)
RD&D funding	The funding of research, development and demonstration activities and programmes. For technologies far remote from commercial maturity, government grants or subsidies might be considered. For technologies close to commercial maturity which are not taken up for commercial research anyway, instruments such as fiscal instruments (tax credits, accelerated depreciation, etc.) and public-private partnerships may be considered, based on shared public and private RD&D funding.
Sliding feed-in-tariff	A FIT scheme which pre-sets technology-specific declining feed-in tariffs for certain prospective vintages in line with the technology-specific learning curve, as projected by the National Regulatory Agency (NRA). Often a depression rate is used indicating the %/annum decrease in the rate level.
Soft loans	Loans at concessional (below market-based) terms, for example at sub-market-conform interest rates, made available in several Member States to stimulate certain renewable energy technologies.
Tax credits	These are amounts a tax paying entity is allowed to deduct when declaring payable taxes, for example company tax or income tax, to the tax authorities, for example the producer tax credits (PTCs) used in the United States to stimulate among others wind energy deployment.
Tenders	See 'Request for tenders'

## References

EurObserv'ER, 2014, [www.eurobserv-er.org](http://www.eurobserv-er.org)

<http://www.res-legal.eu/search-by-country/romania/>

<http://epp.eurostat.ec.europa.eu>

[http://ec.europa.eu/energy/renewables/reports/2013\\_en.htm](http://ec.europa.eu/energy/renewables/reports/2013_en.htm)

<http://www.rechargenews.com/wind/1389014/dispatches-where-next-for-romania-renewables-roller-coaster>

<http://www.bloomberg.com/news/articles/2015-02-23/romania-considers-reviving-support-for-renewable-energy>



## Annex

EurObserv'ER Barometers published are all available for download. Direct links to all EurObserv'ER publications:

*'The State of Renewable Energies in Europe'* (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-annual-overview-barometers>

Wind Energy Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-wind-energy-barometers>

Photovoltaic Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-photovoltaic-barometers>

Solar Thermal Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-solar-thermal-and-concentrated-solar-power-barometers>

Biofuels Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-biofuels-barometers>

Biogas Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-biogas-barometers>

Renewable Municipal Waste Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-renewable-municipal-waste-barometers>

Solid Biomass Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-solid-biomass-barometers>

Heat Pump Barometer (PDF, multiple languages)

<http://www.eurobserv-er.org/category/all-heat-pumps-barometers>