



Romanian Energy Regulatory Authority
Energy Efficiency Department



NEWSLETTER

RECENT DEVELOPMENTS IN THE FIELD OF ENERGY EFFICIENCY

June 2019

TABLE OF CONTENTS

I. National legislation in the field of energy efficiency. Decisions, respectively ANRE Orders issued and published in the Official Journal of Romania. Documents related to energy efficiency, subject to public debate.....	3
I.1. Energy Efficiency Department's activity.....	7
II. Reports and studies of interest in the field of energy and energy efficiency.....	17
III. Future events in the field of energy and energy efficiency.....	20

I. National legislation in the field of energy efficiency. Decisions, respectively ANRE Orders issued and published in the Official Journal of Romania. Documents related to energy efficiency, subject to public debate

- **Order of the Vice Prime Minister, Minister of the Environment no. 534/2019** for the completion of the *Financing Guide of the National Program for the Replacement of the used electrical and electronic equipment with some more energy efficient ones*, was published in the **Official Journal of Romania, Part I, no. 455 of 06.06.2019**.
- **Order of the President of the Romanian Energy Regulatory Authority no. 70/2019** *on the approval of the reference values for the thermal energy delivered in SACET from cogeneration units not benefiting from support schemes for the promotion of high efficiency cogeneration, applicable in the second semester of 2019 –*
<https://portal.anre.ro/PublicLists/Ordin/GetOrdinFisier?IdOrdin=4950>
- **Order of the President of the Romanian Energy Regulatory Authority no. 69/2019** approving the amendment and completion of the Order of the President of the Romanian Energy Regulatory Authority no. 183/2018 *on the approval of the benchmark values for electricity produced from high efficiency cogeneration and of the reference prices for the heat produced in cogeneration, applicable in 2019 –*
<https://portal.anre.ro/PublicLists/Ordin/GetOrdinFisier?IdOrdin=4949>

I. National legislation in the field of energy efficiency. Decisions, respectively ANRE Orders issued and published in the Official Journal of Romania. Documents related to energy efficiency, subject to public debate

- **Order of the President of the Romanian Energy Regulatory Authority no. 68/2019** *approving the regulated price for electricity produced in high efficiency cogeneration benefiting from the bonus, sold under contracts regulated by the electricity and heat in cogeneration producers and of the reference price of electricity produced in high efficiency cogeneration, that benefit from bonus -*

<https://portal.anre.ro/PublicLists/Ordin/GetOrdinFisier?IdOrdin=4947>

- **Order of the President of the Romanian Energy Regulatory Authority no. 66/2019** *on the modification and completion of the Pricing Methodology for the heat supplied to SACET from plants with cogeneration units which do not benefit from support schemes for the promotion of high efficiency cogeneration approved by ANRE Order no. 111/2014, and the modification and completion of Art. II of the ANRE Order no. 184/2018 regarding the modification of the Pricing Methodology for the thermal energy delivered in SACET from plants with cogeneration units not benefiting from support schemes for the promotion of high efficiency cogeneration approved by the Order of the President of the Romanian Energy Regulatory Authority no. 111/2014 –*

<https://www.anre.ro/download.php?f=hquBiA%3D%3D&t=vdeyut7dlcecrLbbvbY%3D>

I. National legislation in the field of energy efficiency. Decisions, respectively ANRE Orders issued and published in the Official Journal of Romania. Documents related to energy efficiency, subject to public debate

- **Decision to amend Annexes no. 1 and 2 to the ANRE President's Decision no. 793/2019 regarding the establishment of economic operators who have not fulfilled the estimated mandatory quota for the acquisition of green certificates and of those who have not fulfilled their legal obligation to acquire green certificates from the centralized anonymous spot market of green certificates for the year 2019, first quarter –**

<https://portal.anre.ro/PublicLists/Decizie/GetDecizieFisier?IdDecizie=1993>

Documents related to energy efficiency, subject to public debate

- **Draft Decision approving the model for the elaboration of the program for improving the energy efficiency of the localities with a population of more than 5000 inhabitants**

<https://www.anre.ro/download.php?f=f697hg%3D%3D&t=wOutwdHbn8%2BcmLPfvrrV5ps%3D>

The Directorate of Authorization, Cooperation and Monitoring Energy Efficiency / The Energy Efficiency Monitoring Service proposes for public consultation the draft Decision on the **approval of the Model for the elaboration of the Energy Efficiency Improvement Program (PIEE) for the localities with a population of more than 5000 inhabitants**. By drafting this paper, ANRE has finalized the new **Model for the elaboration of PIEEs for the localities with a population of more than 5000 inhabitants**, aiming to improve the regulation by producing models of data collection sheets for the technical data necessary for their elaboration. Comments and suggestions regarding the provisions of this discussion paper will be submitted to irina.nicolau@anre.ro by e-mail, **until 5.07.2019, 14:00h**.

I. National legislation in the field of energy efficiency. Decisions, respectively ANRE Orders issued and published in the Official Journal of Romania. Documents related to energy efficiency, subject to public debate

Documents related to energy efficiency, subject to public debate

- **Draft Decision approving** *the Procedure for verification and evaluation of the quality of energy audits and amending and supplementing the Regulation for the authorization of energy auditors in industry, approved by the Decision of the Head of the Energy Efficiency Department no. 2794/2014* - <https://www.anre.ro/download.php?f=f698iQ%3D%3D&t=wOutwdHbn8%2BcmLPfvrrV5ps%3D>

The above mentioned draft Decision provides for the verification and annual evaluation of **3% of the total energy audits reported by energy auditors legal entities.**

The verification and evaluation of energy audits it is carried out by a commission within ANRE, according to a scoring scale established on the basis of the minimum criteria for energy audits, including those performed as part of the energy management systems stipulated in Annex no.4 to the Law no. 121/2014 on energy efficiency, as subsequently amended and completed (Annex 3 to the procedure).

In order to correlate the procedure of suspension and withdrawal of the authorizations of energy auditors, legal entities stipulated in the Regulation for Authorization of Energy Auditors (Regulation) approved by ANRE Decision no.2794/2014, with the subsequent amendments and completions, with the procedure provided in the draft decision mentioned above there have also been proposed amendments to Art. 28 and Art. 29 of the Regulation.

ANRE will publish annually on its official website the results of the verification and evaluation of the energy audits.

Comments, suggestions or recommendations related to the above mentioned procedure may be submitted, electronically, **within 30 days** since it has been uploaded on the website, to the email address - info.eficienta@anre.ro.

I.1. Energy Efficiency Department's activity

- On **June 6, 2019**, the **Second Roundtable on Finance for Energy Efficiency in Romania** was held in **Bucharest**. The event was organized in partnership with the **Ministry of Energy**, the **Ministry of Regional Development and Public Administration**, the **Ministry of European Funds of Romania**, the **Romanian Energy Regulatory Authority (ANRE)** and the **UN Environment Finance Initiative**. It is part of the **Sustainable Energy Investment Forums**, which support the implementation of the **Smart Finance for Smart Buildings initiative** in the EU Member States.

The objective of the National Roundtable was to initiate a dialogue between the most important stakeholders in Romania on how to improve the access to finance the energy efficiency investments and on how to identify the common objectives and possible improvements to be made in the current policy framework and business practices. During the event, the emphasis was placed on the interaction between the participants in the organized sessions and on the in-depth approach of the selected themes, in order to elaborate a set of recommendations and actions to facilitate the investments in energy efficiency in Romania, the sector of buildings and the post-2020 prospects being discussed in particular.

The **topics** addressed in the above mentioned sessions were as follows:

- **home renovation services**
- **de-risking energy efficiency investments**
- **energy renovation of public buildings**

Presentations and the agenda of the event can be consulted by accessing the following link:

<https://ec.europa.eu/energy/en/topics/energy-efficiency/financing-energy-efficiency/sustainable-energy-investment-forums/second-roundtable-finance-energy-efficiency-romania-6-june-2019-bucharest-romania>

I.1. Energy Efficiency Department's activity

- On **June 11th, 2019**, the **Vice President of ANRE, Head of the Energy Efficiency Department - Mr. Nagy-Bege Zoltan**, attended the 8th edition of *Romanian Energy Day*, event organized by the **Romanian Energy Center (CRE)**.

The discussions were held around the following main themes:

- **Transition to clean energy by the year 2030**
- **Integration of the sector and connection of the electricity, natural and thermal networks**
- **Reconversion of the Romanian energy industry**

The agenda of the event and details related to the topics covered can be consulted by accessing the following link:

http://evenimente.crenerg.org/wp-content/uploads/2019/06/190607_RED-2019_Draft-Program.pdf

- On **June 20th, 2019**, a representative of the **Energy Efficiency Department** within **ANRE** attended the event organized by **CNR-CME** entitled "**Digitization of utilities - Blockchain and other technologies**".

The purpose of the event was to facilitate the strategic exchange of knowledge between experts from national and international organizations and policy makers, to identify in the same time the barriers to new technologies and to find solutions over how these can be eliminated at national level.

The details related to this event can be consulted by accessing the following link:

http://www.cnr-cme.ro/evenimente/2019/conference_Digitalization_Utillities_Blockchain_20.06.2019/Conference_Digitalization_Utillities_Blockchain_20.06.2019.html

I.1. Energy Efficiency Department's activity

- Between **June 18th -19th, 2019**, the "**Romania-Norway Energy and Climate Change**" Conference took place in **Bucharest**.

Within the panel on **the evolution of solar energy**, the representative of the **Energy Efficiency Department** within **ANRE** presented the *considerations regarding the system of promoting electricity produced from renewable energy sources, in Romania, in the context of the European and national legislative framework*. The results of the Green Certificates Promotion System were also presented, and the prospective objectives with impact on the energy produced from renewable energy sources were highlighted.

In the above mentioned panel, Norwegian companies have exposed innovative solutions of photovoltaic systems of small size, installed outside the power grid, as well as technologies, costs and the organization of the operation of solar parks in Norway.

The President of the Romanian Photovoltaic Association said that Romania has a huge unexploited potential in all renewable energy sectors and expressed his confidence that the future Energy Strategy will be drafted in a clear and concise manner in order to ensure a reliable and secure future development of Romania.

I.1. Energy Efficiency Department's activity

- On **June 19th, 2019**, **energynomics.ro** organized in **Brasov**, the fourth event of this year, part of the series dedicated to **Energy Efficiency: "Energy Efficiency - Suppliers, Solutions, Benefits"**, in the campaign: **"Energy Efficiency for results that matter"**.

A representative of the **Energy Efficiency Department** within **ANRE** participated at the event, who held a presentation entitled *"Legislative News in the field of energy efficiency"*.

Thus, the legislative provisions on energy efficiency in industry, local public administration and at residential level have been exposed, in the context of the European and national legislative framework for climate and energy policy.

Also, the obligations of the economic operators resulting from the legislation on energy efficiency, legislative news and financing opportunities for energy efficiency projects were presented.

The event was attended by nearly 40 representatives of local government authorities, electricity distribution companies, energy efficiency solutions and equipment suppliers, and financial institutions interested in financing energy efficiency projects.

More details related to this event can be consulted on the event's webpage:

<http://www.energynomics.ro/ro/eveniment-energynomics/eficienta-energetica-furnizori-solutii-beneficii-brasov-19-iunie/>

I.1. Energy Efficiency Department's activity

- On **June 20th, 2019**, the **Vice President of ANRE, Head of Energy Efficiency Department - Mr. Nagy-Bege Zoltan** attended the launch event of the "**Efficient Romania**" program, developed by the Energy Policy Group (EPG) think tank, with the support of OMV Petrom.

Within the "Efficient Romania" program, education and information campaigns will be organized. Thus, both the general public and local authorities managing a large number of buildings of public interest will have access to information on concrete energy-saving solutions that reduce utility costs and the environmental impact. Also, a practical Guide on energy efficiency will be developed.

In an advanced phase of the initiative, projects of profound renovation of public buildings will be funded. The **Romanian Energy Regulatory Authority (ANRE)**, the **Polytechnic University of Bucharest (UPB)**, the **Romanian Association for Standardization (ASRO)** have joined this program.

Thus, **UPB** will contribute by providing fundamental technical and engineering knowledge, through studies conducted within the "Efficient Romania" project, as well as through education and training programs. **ASRO** will develop energy performance standards for public buildings. **ANRE** through the **Energy Efficiency Department** will actively support the initiative by participating at all the relevant events related to it, by disseminating and promoting the information and the results of this initiative to the participants at the meetings organized by ANRE and also in the informative materials issued by the experts of the Energy Efficiency Department.

More details related to this initiative can be consulted by accessing the following link: www.romania-eficienta.ro

I.1. Energy Efficiency Department's activity

- Between **June 11th and 12th, 2019**, a representative of the **Energy Efficiency Department** within **ANRE** attended the first **kick-off meeting** in the framework of the *New Label drive for supply and demand for energy efficient products (LABEL2020)* Project, in **Vienna**. The meeting was organized by the **Austrian Energy Agency** as **Project Coordinator**.

The main objective of the project is to support all stakeholders in the process of transition from the A +++ - D energy label, to the original A - G concept, so as all confusions to be avoided and to be ensured its continuity and efficient use.

The project will work through eight Working Groups, called Work Packages (WP).

The main objectives of the meeting were the presentation of the project's objectives and the way in which the work packages will contribute to their realization, and in this respect the activities to be carried out within them were detailed.

- Between **June 11th and 12th, 2019**, a representative of the **Energy Efficiency Department** within **ANRE** attended the first kick-off meeting in the framework of the *ENSMOV Project - Enhancing the Implementation and Monitoring and Verification Practices of Energy Saving Policies under Article 7 of the EED*, which took place in **Brussels**. The meeting was organized by the **Institute for European Energy and Climate Policy (Netherlands)** as **Project Coordinator**.

According to the agenda of the meeting, the objectives of the project and the way in which the work packages (WP) will contribute to their realization have been presented, also being detailed the activities to be carried out within the 5 WP, the responsibilities and the deadlines for submission.

I.1. Energy Efficiency Department's activity

- Between **June 11th** and **12th, 2019**, a representative of the **Energy Efficiency Department** within **ANRE** attended the ***Renewable Energy, Power Infrastructure & Energy Efficiency Investors Conference***, organized by **Renpower Romania**.

Within the panel "*Romania's Transition to Sustainable Energy - An Institutional and Regulatory Framework in Evolution*", ANRE's representative presented some considerations on the E-RES promotion system in Romania and the future perspectives in the context of changes in the European and national legislative framework. On this occasion, ANRE's representative insisted over the issues related to the current situation of E-RES promotion in Romania (meeting the objectives assumed by Romania) as well as over those aspects related to the perspective objectives regarding the promotion of E-RES.

- On **June 27th, 2019**, the **Romanian Institute for Energy Development Studies IRE** (the Romanian Representative at **Eurelectric**) organized in **Bucharest**, with the support of **ANRE**, the **Round Table - Energy Efficiency in the Romanian Energy Sector**.

The event was moderated by a representative of the **Energy Efficiency Department** within **ANRE** and by the Deputy General Director of **Electrocentrale Bucharest SA**.

Another representative of the **Energy Efficiency Department** within **ANRE** held a presentation on the topic of the "***National and European legislative news in the field of energy efficiency. Obligations of economic operators related to the provisions of Law no. 121/2014 on Energy Efficiency, with all subsequent amendments and completions***".

The agenda of the event also focused on the following themes: *energy efficiency in the energy system; intelligent charging stations for power transmission; renewable energy sources and energy efficiency; energy efficiency in the Romanian energy sector.*

I.1. Energy Efficiency Department's activity

- Between **26th** and **27th**, **June 2019**, the representatives of the **Energy Efficiency Department** within **ANRE** attended the **EnR Regular Meetings M65** in **Lisbon, Portugal**.

The **EnR Association - The Association of National Energy Efficiency Agencies in Europe** is made up of **24 European Energy Agencies**, responsible for developing, implementing or reviewing the national research, development or dissemination programs in the field of energy efficiency, renewable energy and climate change. The aim of the organization is to strengthen the cooperation between the European Energy Efficiency Agencies and the European Commission, as well as with other actors on the European scene, on relevant issues related to sustainable energy.

The exchange of information within the EnR takes place mainly through **the eight Working Groups** which participates in the elaboration and implementation of the joint projects under the European Union funded programs, such as the *European Commission Horizon 2020*, where ANRE being a beneficiary.

I.1. Energy Efficiency Department's activity

- The General Directorate for Energy Efficiency, Renewable Sources, Cogeneration and Thermal Energy has published the *List of owners of guarantees of origin and their number held for May 2019 - E-RES suppliers. The state of the operations carried out in the Single Register of guarantees of origin –*

<https://www.anre.ro/download.php?f=hquChw%3D%3D&t=vdeyut7dlcecrLbbvbY%3D>

- The General Directorate for Energy Efficiency, Renewable Sources, Cogeneration and Thermal Energy has published the *Report on Energy Managers' Attestation, Approval/Authorization of Power Supply Companies and the Authorization of Industry Energy Auditors in May 2019 –*

<https://www.anre.ro/download.php?f=hqyBgw%3D%3D&t=vdeyut7dlcecrLbbvbY%3D>

- The General Directorate for Energy Efficiency, Renewable Sources, Cogeneration and Thermal Energy has published the *List with the economic operators obliged to purchase green certificates corrected on 3rd June 2019 and the number of green certificates they have to purchase in order to meet the mandatory quota of green certificates for the year 2019 for the first quarter -*

<https://www.anre.ro/download.php?f=hquCgg%3D%3D&t=vdeyut7dlcecrLbbvbY%3D>

- The General Directorate for Energy Efficiency, Renewable Sources, Cogeneration and Thermal Energy has published the *List of production capacities for electricity and heat in cogeneration with final accreditation - rev. 29 - updated according to ANRE's Decision no. 1499/2018 -*

<https://www.anre.ro/download.php?f=hquDiQ%3D%3D&t=vdeyut7dlcecrLbbvbY%3D>

I.1. Energy Efficiency Department's activity

- On **June 13th, 2019**, at **ANRE's headquarters** (Constantin Nacu street no. 3), took place an **interactive online training** (using the *GoToMeeting application*) on the use of **METIS software** - developed by **Artelys**, in accordance with the requirements of the **European Commission - DG ENER**.

The training was conducted according to the *Trial contract* signed between **ANRE** and **Artelys**, with the consent of the **European Commission**, which allows the use of the data and scenarios implemented in this software by signing a *Non Disclosure Agreement*.

During the period **June - July**, the **METIS software** will be used according to the *Action Plan for the use of METIS software* for a **30 days trial** period.

More details on the METIS software can be found on the European Commission website –

<https://ec.europa.eu/energy/en/data-analysis/energy-modelling/metis>

- The initiation of the dialogue with the representatives of the **Blockchain Romania Association - ABR** and with the most representative actors of the energy sector, in order to present a technological solution, based on the **Blockchain technology**, to ensure the communication from the prosumer and the Distribution Operator (OD) / the Transmission System Operator (OTS).
- Running and advancing discussions within the **Working Group coordinated by ANRE - WG ESCO**, constituted to continue discussions on the clarification of the necessary legislative framework for the functioning of ESCO companies in Romania. The members of the Working Group intend to continue the series of meetings to disseminate the issues related to the legal framework necessary for the functioning of the ESCO companies in Romania by identifying the main legislative/administrative barriers to the implementation of the energy performance contract in the public sector, as well as the establishment of some legal solutions to eliminate them.

II. Reports and studies of interest in the field of energy and energy efficiency

- **The Report - “Hydrogen Roadmap Europe”**

According to this Report, EU will require hydrogen at large scale. Without it, the EU would miss its decarbonization objective. The fuel offers a versatile, clean, and flexible energy vector for this transition. While hydrogen is not the only decarbonization lever, it is an essential lever among a set of other technologies. It makes the large-scale integration of renewables possible because it enables energy players to convert and store energy as a renewable gas.

The full report can be consulted by accessing the following link -

https://www.fch.europa.eu/sites/default/files/Hydrogen%20Roadmap%20Europe_Report.pdf

- **The Study - “Assessing the independence and effectiveness of national regulatory authorities in the field of energy”**

The general objective of this study was to assess the *de jure* and *de facto* independence of the national regulatory authorities (hereinafter: NRAs) in the field of energy and their effectiveness in performing key tasks in the following 12 Member States: Austria, Bulgaria, Croatia, Czech Republic, France, Germany, Greece, Hungary, Lithuania, Romania, Slovakia and Spain.

The full study can be consulted by accessing the following link -

<https://publications.europa.eu/en/publication-detail/-/publication/e5f886d6-917d-11e9-9369-01aa75ed71a1/language-en>

II. Reports and studies of interest in the field of energy and energy efficiency

- **Driving energy efficiency in the European building stock: New recommendations on the modernisation of buildings**

The European Commission has published a series of recommendations on the modernisation of buildings, specifying how Member States should implement the revised building modernisation aspects of the Energy performance of buildings directive (EPBD) 2018/844 to national law. The recommendations come as a response to requests from Member States, and include guidance on building automation and controls, e-mobility and inspections.

More details can be consulted by accessing the following link:

https://ec.europa.eu/info/news/driving-energy-efficiency-european-building-stock-new-recommendations-modernisation-buildings-2019-jun-21_en

- **Commission Recommendation of 18.6.2019 on the draft integrated National Energy and Climate Plan of Romania covering the period 2021-2030 - https://ec.europa.eu/energy/sites/ener/files/documents/ro_rec_en.pdf**

The main measures recommended for Romania to be undertaken are:

- Increase the share of renewable energy to **at least 34%**, representing Romania's contribution to achieving the Union's target for renewable energy for 2030.
- reducing both final and primary energy consumption in 2030 in view of the need to increase the level of efforts to reach the Union's 2030 energy efficiency target.
- specify the measures supporting the energy security objectives on diversification and reduction of energy dependency, in particular measures ensuring flexibility and a robust gas diversification strategy including relevant underlying infrastructure projects and the elimination of the undue restrictions to investments in gas production considering the regional potential of the reserves in the Black Sea.

II. Reports and studies of interest in the field of energy and energy efficiency

- **The Directorate - General for Energy (DG ENER) of the European Commission** has recently published the results of the **S9 study "Cost - effective district heating development"**, assessing the potential contribution of district heating networks to reducing energy demand and emissions generated by this sector, by introducing a new module (heating) to the **METIS mathematical model**, which analyzes the European energy system.

District heating is a major lever for reducing energy demand as well as energy-related greenhouse gas emissions, as it facilitates the integration of renewable energy sources, high efficiency cogeneration plants and waste heat recovery.

In order to better understand the role of the district heating networks in the EU's future energy mix and their potential for interacting with energy and gas systems, the METIS instrument has been extended with a dedicated centralized heating module. This module allows the sizing and simulation of district heating networks, on a time-based granularity.

In the case of the **METIS S9 Study**, representative archetypes of district heating networks are designed based on the results of studying the existing and future documentation on urban heating projects.

The full Study can be consulted at the following link:

[https://ec.europa.eu/energy/sites/ener/files/s9 - district heating - final report 0.pdf](https://ec.europa.eu/energy/sites/ener/files/s9_district_heating_-_final_report_0.pdf)

III. Future events in the field of energy and energy efficiency

- **ANRE recommends the series of Conferences organized in 2019 by energynomics.ro within the Communication Campaign "Energy Efficiency for Results that Matter":**
 - **July 3rd, Timișoara** - Energy Efficiency - Sustainable Consumption through Automation, Monitoring and Control
 - **October 30th, Oradea** - Energy efficiency - where do you start, with who you are talking to?
 - **November 13th, Cluj-Napoca** - Energy efficiency - verified approaches, credible partners

More details related to this event can be accessed at the following link:

<http://www.energynomics.ro/ro/evenimente-energynomics/>