

ESD implementation in Romania

In Romania, the transposition of the ESD was the responsibility of the Ministry of Economy Trade and Business Affairs. All ESD requirements are transposed in Romanian Legislation already in place. In the implementation of the ESD the Ministry of Economy Trade and Business Affairs is helped by the others central and local public authorities: Ministry of the Interior and Administrative Reform, Ministry of Regional Development and Housing, Ministry of Public Finance.

Legal context

The Governmental Ordinance no. 22/2008 on energy efficiency and promotion of the renewable energy to the final consumers is the Romanian legislation related ESD in place. ARCE - Romanian Agency for Energy Conservation, that is in present is the Energy Efficiency Department in ANRE - *Romanian Energy Regulatory Authority* (in November 2009 the Romanian Agency for Energy Conservation - ARCE was abolished by Law 329/2009 and its activities were taken by the Romanian Energy Regulatory Authority based on GD 1428/18.12.2009) is involved in developing energy efficiency policy at national level and is responsible for implementing and monitoring the GO no.22/2008.

Status of the implementation

The status of ESD implementation in 2010 taking into consideration the objectives and targets from the Romanian NEEAP are mentioned in follows:

Financing energy efficiency projects

In accordance with Government Decision no. 1661/2008 (Appendix 1), with subsequent modifications and additions are carried out the "National Program for energy efficiency and renewable energy use in the public sector for the years 2009-2010", co-financing by the Ministry of Economy through the Romanian Agency for Energy Conservation (ARCE proposed and monitoring the investment objectives). The program has been launched in the first quarter of 2009. ANRE is going this Program in 2010 year.

The beneficiaries of the "National Program for energy efficiency and renewable energy use in the public sector for the years 2009-2010" are the Administrative Local Authorities, which have

transmitted to ARCE's territorial branches all the requested information on investment objectives in the field of district heating, public lighting and thermal rehabilitation of buildings.

In the 2009 year, the investment objectives identified and selected by ARCE for co - financing covered by the Program includes a total of 34 works, with a total annual energy saving estimated around a 126,535 toe/year.

In December 2009 the final balance of the program representing 77.29% of the total amount allocated: In the 2010 year was allocated around 5,700 thousand lei in the budget for the national program for energy efficiency and renewable energy use in public. The energy savings estimated to be obtained from 23 investment objectives were 56,251 toe/year. Finally it has been used only 1,975 thousand lei for 7 investment projects energy saving estimated 49,574 toe/year.

Authorizing of energy managers and energy auditors

In 2010 year ANRE on going the authorising energy auditors and attesting energy managers. In 2010 year, ANRE updated the legislation related the procedure for the authorising energy auditors and attesting energy managers through the ANRE President Order no. 42/2010

In 2009 the stage of the the authorising energy auditors and attesting energy managers has been:

The number of energy auditors authorised is: 25 physical persons and 3 juridical persons

Total number of energy auditors authorised in present is: physical persons 255 and juridical person 36.

The number of energy managers attested is 28 persons. Total number of energy managers attested in present is 318.

Taking into consideration that the repeated attestation and reauthorisation is mandatory, during the year 2009 a number of auditors 69 physical person and 19 juridical persons were attested and authorised and also a number of 112 energy managers.

In 2010 the stage of the the authorising energy auditors and attesting energy managers has been:

The number of energy auditors authorised is: 46 physical persons and 13 juridical persons.

Total number of energy auditors authorised in present is: physical persons 154 and juridical person 31.

The number of energy managers attested is 75 persons. Total number of energy managers attested in present is 225.

Taking into consideration that the attestation and reauthorisation is mandatory to be renewed, during the year 2010 a number of auditors 62 physical person and 14 juridical persons were reauthorised and a number of 104 energy managers were reattested.

Market survey activities on energy efficiency

The control theme has been focused on:

- verifying compliance with requirements for energy efficiency labeling of household electric appliances, placed on the market: refrigerators, dishwashers, light bulbs, washing machines, combined washer-driers, clothes dryers with drum, electric ovens, air-conditioners, ballasts for fluorescent lighting;
- verifying compliance with Ordinance nr.22/2008 energy efficiency and promotion of the renewable energy to the final consumers.

The synthesis of the annual control actions in 2010 is:

- **Energy efficiency labelling: 76**

- **Governmental Ordinance nr.22/2008: 120**

Were kept in view the mains obligations of the energy consumers and energy distributors requested by the energy efficiency legislation:

- energy audit fulfill by a person or entity authorized by ANRE, under the law, and which underlines the establishment and implementation of measures to improve energy efficiency;
- energy efficiency improvement programs which include short, medium and long term;

- existing the energy manager, attested by ANRE, as required by law or to enter into an energy management contract;
- to develop and implement measures to improve energy efficiency;
- to have a measurement system, record and monitor energy consumption and to provide the ANRE, upon request, information on energy consumption and energy efficiency indicators;
- to develop monitoring programs and fuel management group owned vehicles;
- provide on request, but no more than once a year, aggregated statistical information about the final consumers by the National Energy Observer;
- to implement directly and / or indirectly through other service providers of energy efficiency improvement measures;
- to provide final consumers with energy audits conducted independently and / or measures to improve energy efficiency and promote these audits and measures.

ESCO

Currently there is no system for registration or certification of energy service companies, which enable an accurate assessment of them. A number of companies of this type have been identified by the ANRE and were notified by DG - JRC for evaluation studies of European energy services market. The contacts with these companies are permanently kept, and their representatives have been invited to the meetings organized by ANRE with energy consumers in industry and municipalities to facilitate the marketing of energy services and transfer of information.

In June 2009 ANRE has begun working on the EESI project (European Energy Service Initiative), the Intelligent Energy Europe program whose objective is to improve information to decision makers at local and national level on existing standards and tools for contract performance to contribute forming the capacity and dissemination on energy services information.

In 2010 two ESCO contracts in public buildings are signed, one being already implemented and other is in progress. Different other pilot projects are identified by ANRE and promotional activities are in progress in order to support local authorities for preparatory activities. EBRD initiated a market study “Romanian Public Sector Energy Efficiency Programme” having as long term objective the establishment of a financial mechanism for facilitating ESCO activity. A seminar with local authorities has been organized by EBRD in March 2011 on Energy Efficiency Investment in Public Buildings to support investment projects pipe-line identification and preparation. The Romanian chapter of Energy Cities Network (OER) will organize its annual conference in June 2011 including one specific topic on EPC model contract and related implementation methodology, for which an ANRE representative is invited to present the recent achievements in this direction.

LTA - Long Term Agreement

Long Term Agreements (LTA's) was identified as the most successful model to get industrial commitment for energy efficiency.

The Ministry of Economy added LTA's to the Romanian NEEAP.

There is a need for technical assistance and support for capacity building to implement LTA in Romania.

The project “*Capacity building for the implementation of Long Term Agreement as specific instrument to promote energy efficiency in privatized sectors of the Romanian industry*” with assistance of SenterNovem on period 2006-2009 (phase I 2006-2007; phase II 2007-2009).

An overview of the activities that was been undertaken to reach each of the project results is given in the following activities: network of relevant stakeholders; experiences with LTA; the Romanian context for an LTA; blueprint of a Romanian LTA scheme; proposal Romanian LTA scheme.

In cooperation with the Romanian Government and Industry representatives, SenterNovem has conducted the project on capacity Building for implementation of Long Term Agreements (LTA) on energy efficiency in Industry, from September 2006 till September 2007. The result has been three Letters of Intent signed by the Romanian Government and three Industrial sectors, the Glass-, Cement- and Machine Building Industry to continue their cooperation towards implementation of LTA.

Based on the results of the project, Dutch government approved a second phase of assistance for Romania for 2007-2009, in which to prepare the conditions of application of LTA in the pilot phase.

The project continued with the phase II during the years 2007- 2009: kick off workshop; energy efficiency potential in industry; incentives from government; independent organisation; setting up monitoring procedures; LTA Negotiations.

In the project was organized:

Workshop government representatives

In this workshop the focus will be on explaining the role of the government in the processes to establish and implement the LTA, with special attention to the issue of commitment and establishing (new) incentives for the industry. The experiences within the Netherlands will be exchanged, with special focus on the financial incentives and the role of government with respect to other incentives. The results of this activity are commitment to the project activities and it is also expected that a working group will be established to focus on the incentives and a working group who focus on the Independent Organisation.

Workshop industry representatives

In this workshop the focus will be on explaining the role of Industry in setting the energy efficiency improvement potential on either individual or sector level. Also the tools required to establish and to implement the efficiency improvement will be discussed, including the support industry expects from the government to implement the efficiency improvements.

The results of this activity are commitment from industry to continue on establishing their energy efficiency improvement potential as well as defining the incentives required from government.

After the kick-off workshop the outcome will be evaluated and this can lead to an adaptation of the actual project plan, but this will only be done after consultation with the EVD contact person.

The most essential and challenging part for the Romanian government and industry will be the negotiations which have to lead to an agreement on all the issues regarding LTA and as such leading to the formal LTA agreements to be signed.

A LTA pilot project have been identified and a detailed energy audit have been prepared to collect and process necessary data for LTA negotiation, but the very high restriction on utilization of public money imposed by memo signed with IMF and CE for financial crisis management was a big barrier for Government in offering necessary incentives for industry as a main element of LTA negotiation.

In this moment no future activities to promote LTA are foreseen. The main instrument to support energy efficiency in industry will, probably, be the implementation of ETS directive.

ANRE participation in the EIE projects in 2010

- **ODYSSEE MURE** project is designed to supplement and update database with results of the measures that reduce energy consumption for the main sectors, as well as calculation of national indicators on comparable energy efficiency in all countries.
- **SELINA** project which aims major reduction in electricity consumption patterns in stand-by "and" off "to household appliances.
- **EESI** project (European Energy Service Initiative), which objective is to improve information to decision makers at local and national level on existing standards and tools for contract

performance to contribute forming the capacity and dissemination on energy services information.

- **CAESD** – Concerted Action for the Energy Services Directive

Dissemination on energy efficiency policy and on implementation of ESD directive

ANRE in cooperation with the Ministry of Economy Trade and Business Affaires organized since 2009, over a period of 4 years, sessions *Sustainable Energy Forum in Bucharest*.

The Bucharest Energy Forum, co-organised by the Romanian Ministry for Economy Trade and Buisness Affaires and the Commission, was established to provide a platform for the exchange of information and to contribute to policy development on energy efficiency and renewable energy sources. The aim is to develop the Forum into a 'policy-driving' event bringing together policymakers and stakeholders. The Forum should be seen as a future engine for transformation and as such needs to move forward towards delivering input for future policies. The outcome from the Forum will be used inter alia as input to the new European Energy Efficiency Action Plan, energy policy 2050, and policy development in relation to offshore wind and electricity (super) grids.

ANRE ensures the technical secretariat for the Bucharest Energy Forum in the period 2009-2013.