

## ESD implementation in Romania

In Romania, the transposition of the ESD was the responsibility of the Ministry of Economy. All ESD requirements are transposed in Romanian Legislation already in place. In the implementation of the ESD the Ministry of Economy is responsible with the others central and local public authorities: Ministry of the Interior and Administrative Reform, Ministry of Regional Development and Housing, Ministry of 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 is specialized institution involved in developing energy efficiency policy at national level and is responsible for implementing and monitoring it. ARCE is subordinated to the Ministry of Economy.

In November 2009 the Romanian Agency for Energy Conservation was abolished by Law 329/2009 and its activities were taken by the National Energy Regulatory based on GD 1428/18.12.2009.

### Status of the implementation

**The status of ESD implementation in 2009 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 of the Romanian Agency for Energy Conservation (ARCE proposed investment objectives. The program has been launched in the first quarter of 2009.

The beneficiaries of the "National Program for energy efficiency and renewable energy use in the public sector for the years 2009-2010" for the 2009 year 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 first and second quarters of 2009, the list included the 125 investment objectives. The co-financing requirement exceeds the total amount allocated nearly 7 times.

The initial list of investment objectives identified and selected by ARCE included a total of 34 works, which have been proposed a total financing of 25,000,000 lei.

Original amount was reduced to 22,302,000 lei by the Emergency Ordinance no. 34/2009 amending the budget of the Ministry of Economy. In these conditions has been adopted the Order Minister of Economy and Finance no. 1226/2009 (Anexa3), that has been approved the list of investment projects selected by the Romanian Agency for Energy Conservation, in the National Program.

List of the ARCE investment objectives identified and selected based on selection of applicants on the base of the Regulation of selection for co - financing covered by the program includes a total of 34 works, which proposes a total financing of 22,302,000 lei. The total annual energy saving estimated is 126.535 toe/year.

The stage of the co-financing within the Program in December 2009 is the following:

- 23 investments objectives in 13 counties have received the support of the National Program for energy efficiency, totaling the amount of 14,869.607 thousand lei, representing 66.67% of the total amount.
- 3 investments objectives in Cluj County in the amount of 2368 thousand lei are under consideration at the Ministry of Economy, in the context of a favorable opinion, the final balance of the program will be 17,237.607 thousand lei, representing 77.29% of the total amount.
- due to the late adoption of the budget in 2009, the amount of 5064.393 thousand lei remained;
- for 2010 is allocated the amount of 20,000 thousand lei in the budget for national programs for energy efficiency and renewable energy use in public, provided that all targets have financed contracts for works still in progress for the next 5 years.

### **Authorizing of energy managers and energy auditors**

During the year 2009 ARCE has continued the process of authorising energy auditors and attesting energy managers. The new legal framework for this process has been adopted by the Ministry Economy Order no. 1767/6.10.2009 that modified the existing one no. 245 / 20.06.2002 taking into consideration the requirements of ESD directive.

The number of energy auditors authorised in 2009 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 in 2009 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.

### **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 is:

- **Energy efficiency labelling: 830**

- **Governmental Ordinance nr.22/2008: 550**

- Consumers with energy consumption  $\geq 1000$  toe / year: **268**
- Consumers end energy consumption between 200 and 1000 toe / year: **199**
- Economic companies with activity generation, transmission, energy distribution: **25**
- Transport companies that have  $\geq 25$  vehicles: **25**
- The local public administration authorities  $\geq 20\ 000$  inhabitants: **28**
- Managers of public buildings with  $S > 1000$  sqm: **5**

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 ARCE, 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, certified by ARCE, as required by law or to enter into an energy management contract with a physical or juridical persons accredited energy service;
- to develop and implement measures to improve energy efficiency;
- to have a measurement system, record and monitor energy consumption and to provide the Romanian Agency for Energy Conservation, 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 Romanian Agency for Energy Conservation (ARCE) 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 ARCE with energy consumers in industry and municipalities to facilitate the marketing of energy services and transfer of information.

The Ministry has held a meeting with the service companies in order to examine the barriers faced and to identify facilities needed to stimulate the market for services.

In December 2005 a cooperation agreement between ARCE and Energy Agency in Berlin has been signed, with the support from the Ministry of Environment of Germany to promote efficiency contracts in Romania, as a tool to facilitate negotiations between companies and local government services.

Explanatory booklets and a CD presenting the ESCO concept have been disseminated to over 200 local authorities in cooperation with the Association of Energy Cities in Romania. This form of cooperation was extended in 2007 for development of pilot projects for rehabilitation of hospitals based on ESCO activity.

In June 2009 ARCE 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.

### **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.

### **ARCE participation in the EIE projects in 2009**

- **PromoSCene**, promoting the structural funds in the energy, is dedicated to assist the management of ministries to access and use of structural funds.  
One of the aims of PromoScene was to provide an international platform for managing authorities and other stakeholders to exchange information and experience related to energy in Structural Funds.
- **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.
- **EX-BESS** focused on benchmarking expansion schemes in the energy management of SMEs, in the Member States and candidate countries, which was applied in the textile and food.
- **SELINA** project which aims major reduction in electricity consumption patterns in stand-by "and" off "to household appliances.

### **Dissemination on energy efficiency policy and on implementation of ESD directive**

ARCE in cooperation with EnR organized the Meeting "Achieving European targets for energy efficiency and renewable energy sources" of the *Sustainable Energy Week (SEW) in Brussels in February 2009*. The objectives of this event were: the launch of a report on the implementation of ESD Directive and identify key challenges for implementation in Member States, identifying the best examples of implementing the Directive, submission role play national energy efficiency agencies.

In the project *PromoSCene*, meetings have been organised at national and international level:

- **National Information Seminar** – Thursday, June 12, 2008, , Bucharest  
Target: The management - Structural and Cohesion Funds  
Purpose: the exchange of information on financing Structural and Cohesion Funds projects
- **PromoSCene First Regional Conference** -Using the sustainable energy opportunities of structural Funds 'Benefit from the experiences of others!'  
March 4, 2009, Warsaw, Poland  
The conference provides an international platform for managing authorities and other stakeholders to exchange information and experience related to energy in Structural Funds. Focus will be on lessons learnt (including concrete examples) concerning the selection criteria for good sustainable energy projects.
- **National Promotion seminar** – PromoSCene, 28th April 2009  
NOVOTEL HOTEL - Bucharest
- **Fund Manager-Meeting** in Vienna, 31 May 2007  
Objectives of the meeting: The expert meeting brought together managing authorities and other stakeholders from different member states to discuss how energy-related aspects can be dealt with under the new programming period of Structural and Cohesion Funds. Purpose of the meeting was to share knowledge and experience on promoting and managing energy aspects in the structural funds, discuss the lessons learnt with programmes and energy projects so far, and find out what the need for additional information is.
- **Seminar on Energy & Structural Funds**, Brussels, 19 June 2009

Since 2009, over a period of 4 years, sessions Sustainable Energy Forum in Amsterdam will take place in Romania, he became the ***Sustainable Energy Forum in Bucharest***.

The Bucharest Energy Forum, co-organised by the Romanian Ministry for Economy 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.

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

***The first Bucharest Energy Forum took place on 9 and 10 June.*** The Forum was opened by the Romanian Minister for Economy, Mr. Adriean Videanu followed by a keynote speech from Commissioner for Energy, Mr. Andris Piebalgs.

***ARCE-Austrian Energy Agency Workshop on Energy Efficiency, Rasinari/Romania,***

17 September 2009.

Organised by ARCE within the Romanian/Austrian cooperation agreement,

The purpose of the workshop was information and experience exchange between the two agencies related to the main actions on the implementation ESD directive: methods to measure energy savings; energy audits, method for the data collection for the database for bottom up methods; voluntary agreements.