

European Commission  
Attn: DG ENER

Our ref: (8.2-10)3- 516 of 14 February 2014

**RE: ADDITIONAL ENQUIRY No 5927/13/ENER REGARDING DIRECTIVE  
2012/27/EU**

The Ministry of Energy of the Republic of Lithuania herewith provides the additional information as requested by DG ENER in additional enquiry No 5927/13/ENER about Directive 2012/27/EU

ENCLOSED: Additional information, 3 pages.

Deputy Minister for Energy

Renata Cytacka

**ORIGINAL WILL NOT BE SENT**

M.Stonkus, 8 706 64764,  
e-mail [mindaugas.stonkus@enmin.lt](mailto:mindaugas.stonkus@enmin.lt)

**INFORMATION PURSUANT TO ADDITIONAL ENQUIRY No 5927/13/ENER  
CONCERNING DIRECTIVE 2012/27/EU**

**Re: implementation of the provisions of Article 7 of the Energy Efficiency Directive (EED):**

**Setting of minimum energy savings for the period 2014-2020 pursuant to Article 7 EED**

For each year from 1 January 2014 to 31 December 2020, new energy savings must be achieved, these being at least equivalent to 1.5% of the average annual energy sales to final consumers. The average is calculated for the three years prior to 2013, i.e. 2010, 2011 and 2012. Sales to final consumers of all types of energy resources by energy vendors and/or distributors must be included, other than energy amounts consumed in the transport sector (these may or may not be included).

Table 1 shows energy consumption for 2010, 2011 and 2012 as given by the Lithuanian Statistical Department's publication "Fuel and Energy Balance". The column for final energy in 2010 in this publication tallies with Eurostat data. In the 2012 publication, the Lithuanian Statistical Department corrected the 2011 figures, so the Eurostat figures for 2011 are not consistent with these (the relevant corrections will need to be made in the Eurostat database).

Table 1: Final energy consumption in Lithuania 2010-2012

	2010	2011	2012	
Final energy consumption in industrial sector, '000 tonnes	900	941	1001	2010-2012 average, '000 tonnes
Final energy consumption in transport sector, '000 tonnes	1.551	1.544	1.575	
Final energy consumption in other sectors '000 tonnes	2.308	2.230	2.184	
Final energy consumption, total, '000 tonnes	4.759	4.715	4,759	4,744
Final energy consumption, total (excluding transport sector), '000 tonnes	3.208	3.171	3.185	3,188

Pursuant to Article 7(1) sentence 2 of the Energy Efficiency Directive (EED), the cumulative end-use energy savings target does not include all final energy consumed in the transport sector. Final energy consumption, total - 3.188 000 tonnes. In this case, the amount of energy to be saved is 1.339 ktoe. Pursuant to Article 7(3) of the EED, the cumulative end-use energy saving target may not be reduced by more than 25%.

Pursuant to Article 7(2)(a) of the EED, savings may be reduced to 1.060 000 tonnes (reduction of 20.8%), as shown in table 2.

Table 2: CEUEST, excluding energy

consumption in the transport sector and with the reduction per Article 7(2)(a) of the EED

Year	Energy savings		
	%	'000 tonnes	GWh
2014	1.00 %	32	371
2015	2.00 %	64	741
2016	3.25 %	104	1.205
2017	4.50 %	143	1.668
2018	6.00 %	191	2.224
2019	7.50 %	239	2.781
2020	9.00 %	287	3,337
	CEUEST	1.060	12.327

Pursuant to Article 7(2)(c) and (d) of the EED, savings of 1.18 TWh in the energy transformation, distribution and transmission sectors and from early actions were deducted from CEUEST, resulting in a further reduction of 4.2%:

- 1) The upgrade or replacement of worn transmission network components has resulted savings of around 0.18 TWh - since 31 December 2008, a total of approximately 720 km of contractual 100 mm diameter single pipes have been upgraded;
- 2) The installation of bio-cogeneration electricity stations has resulted in savings of around 1 TWh compared with the separate production of heat and electrical energy - since 2009, plants with a total output of around 75 MW of electrical output and 210 MW of thermal output have been installed in the district heating sector.

The maximum (25%) CEUEST yields **1.004 000 tonnes** or **11.7 TWh**. The plan is to save the same additional amount of energy each year. The CEUEST indicator expressed in accordance with this principle is given in table 3.

Table 3: CEUEST indicator timetable

Energy savings		
Year	'000 tonnes	GWh
2015	48	556
2016	96	1.112
2017	143	1.668
2018	191	2.224
2019	239	2.780
2020	287	3.336
CEUEST	1.004	11.677

### **Inclusion of the transport sector in the CEUEST calculation**

Pursuant to Article 7(1) sentence 2 of the EED, calculation of the CEUEST does not include all final energy consumed in the transport sector.

### **Alternative measures to implement Article 7 EED**

Implementation of the system of obligations relating to efficient energy use is scheduled to result in CEUEST savings of around 80%. The application of alternative measures is scheduled to result in CEUEST savings of around 20%. Type of alternative measures - renovation of buildings with improved energy characteristics. Scope of alternative measures - multi-apartment and public buildings. State aid for owners of apartments in multi-unit buildings and other buildings implementing renovation (modernisation) projects in accordance with the State-approved programme for the renovation (modernisation) of multi-apartment buildings and corresponding local authority programmes is granted if the measures scheduled as part of a renovation (modernisation) project will achieve a building energy efficiency class of at least D. Public buildings must be renovated pursuant to the requirements of Article 5 of the EED on the exemplary role of public bodies' buildings. If necessary, the list of alternative measures will be supplemented.

### **Information on sectors in which energy savings are scheduled to be made pursuant to Article 7 of the EED**

Parties obligated under energy efficiency obligation schemes may implement measures in respect of all end users. Even though the plan is to encourage measures in the industrial and construction sectors, there is nothing to prevent parties seeking to make optimum energy savings elsewhere.

### **Information on actions and measures undertaken since 31 December 2008 which will have an impact until 2020 and which can be assessed and included in the CEUEST calculation**

Pursuant to Article 7(2)(c) and (d) of the EED, savings of 1.18 TWh in transformation, distribution and transmission and from early actions resulted in a further reduction of 4.2%:

- 1) The upgrade or replacement of worn transmission network components has resulted savings of around 0.18 TWh - since 31 December 2008, a total of approximately 720 km of contractual 100 mm diameter single pipes have been upgraded;
- 2) The installation of bio-cogeneration electricity stations has resulted in savings of around 1 TWh compared with the separate production of heat and electrical energy - since 2009, plants with a total output of around 75 MW of electrical output and 210 MW of thermal output have been installed in the district heating sector.