

APRIL 2014

Ministry of Energy of the
Republic of Lithuania

**Report on investments
made in modernising
electricity generation
pursuant to article
10c(1) of directive
2003/87/EC**

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1 Introduction

The Report on investments made in modernisation of electricity generation sector pursuant to article 10c (1) of Directive 2003/87/EC has been prepared in accordance to the provisions of the following legal acts and documents:

- › Article 6.3. of the Communication from the Commission "Guidance document on the optional application of Article 10c of Directive 2003/87/EC";
- › Item 2.4 of the Order of the Minister of Environment and Minister of Energy No. D1-559/1-179 "On transitional free allocation of emission allowances for the electricity producers in 2013-2020", 14 July 2011 (hereinafter - Joint Order);
- › Application of the Republic of Lithuania for transitional free allocation of emission allowances under Article 10c of Directive 2003/87/EC, approved by the COMMISSION DECISION of 23.5.2012 concerning the application pursuant to Article 10c (5) of Directive 2003/87/EC of the European Parliament and of the Council to give transitional free allocation for the modernisation of electricity generation notified by Lithuania (hereinafter – Application).

The Report is based on individual reports and evidence documents submitted by the operators from electricity sector on investments made in 2010-2013 period.

2 Investments implemented in electricity sector in 2010-2013

2.1 List of participants

During the reporting period 5 (out of total 8) operators have reported on implementation of modernization investments in 6 (out of 12) installations of electricity sector. The list of participants is presented in Table 1 below:

1 Table: List of operators that invested in modernization of electricity sector in 2010-2013

Installation ID in the National Investment Plan	Installation name	Installation ID in the Union registry	Operator	Company group
LT-005	Lietuvos Power plant	LT087	Lietuvos energijos gamyba, AB	Lietuvos energijos gamyba
LT-006	Alytus boiler house	LT086	Litesko, UAB	DALKIA
LT-008	Marijampole boiler house	LT085	Litesko, UAB	
LT-010	Siauliai Southern boiler house	LT050	Šiaulių energija, AB	Šiaulių energija
LT-011	Utena boiler house	LT057	Utenos šilumos tinklai, UAB	Utenos šilumos tinklai
LT-012	CHP No. 2	LT044	Vilniaus energija, UAB	DALKIA

2.2 List of investments

An exhaustive list of investments implemented in 2010-2013 and schedule of planned investments in 2014-2020 are presented in Table 2 and Table 3 below:

2 Table: List of investments 2010-2013

Investment number	Operator	Installation	Installation ID in the National Investment Plan	Installation ID in the Union registry	Description	Investment plan		Invested amount in 2013		Comments
						LTL	EUR	LTL	EUR	
TOTAL:								1.545.009.654	447.465.725	
LT-\$-0001	Litesko	Alytus boiler house	LT-006	LT086	Construction of 5,4 MWe biomass CHP in Alytus RK	86.900.000	25.167.980	87.149.205	25.240.154	The investment is finished. Efficiency in electricity generation process has increased by 4,1 %. GHG reductions: 6.357 t CO ₂ /year.
LT-\$-0004	Litesko	Druskininkai Pramonės boiler house	LT-007	LT078	Installation of biofuel boiler in Druskininkų PK	12.000.000	3.475.440	Investment cancelled due to changed needs.		
LT-\$-0007	Litesko	Marijampole boiler house	LT-008	LT085	Reconstruction of 0,4 kV switchyard in Marijampole RK	500.000	144.810	698.169	202.204	The investment is finished. Invested amount increased because the final amount was defined by lowest price offer during the public procurement procedure. Compliance with UCTE requirements has been achieved. Avoided emissions of 14,8 t CO ₂ that would be emitted at least once per year

										in case of emergency .
LT-\$-0008	Vilniaus energija	CHP No. 2	LT-012	LT044	Reconstruction of 6 kV switchyard of CHP No.2	17.166.000	4.971.617	16.345.623	4.734.020	The investment is finished. Invested amount is lower than planned because the investment was started in 2006 and part of it was used before 25 June 2009. Compliance with UCTE requirements has been achieved. Avoided emissions of 33,3 t CO ₂ that would be emitted at least once per year in case of emergency .
LT-\$-0017	Utenos ŠT	Utena boiler house	LT-011	LT057	Construction of biofuel CHP	15.500.000	4.489.110	15.701.130	4.547.362	The investment is finished. Increased efficiency in electricity generation process: from 4,21 TJ el./6,08 TJ fuel (before the investment) to 49,32 TJ el./61,16 TJ fuel (after the investment). GHG emission reduction: 15.482 t CO ₂ .

LT-\$-0018	Šiaulių energija	Siauliai Southern boiler house	LT-010	LT050	Installation of biofuel CHP	50.470.000	14.617.122	47.901.755	13.873.307	The investment is finished. Investment amount decreased due to savings in project technical supervision, administration and connection of the CHP to the electricity network.
LT-\$-0020	Šiaulių energija	Siauliai Southern boiler house	LT-010	LT050	Optimization of burning process in steam boiler No. 3	98.885	28.639	98.885	28.639	The investment is finished. Achieved decrease in GHG emissions generated by electricity production: 240 t CO ₂ .
LT-\$-0026	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Investment into solar batteries for heating water and residual oil	2.400.000	695.088	Investment cancelled due to changed needs.		
LT-\$-0027	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Plant reconstruction to increase efficiency: more electricity is produced with the same installed capacity in KHE	40.942.000	11.857.623	43.251.838	12.526.598	The investment is finished. Investment amount increased due to changes in work schedule, since the investment was implemented in 2005-2011.

LT-\$-0028	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Reconstruction of hydro units regulation systems to increase efficiency: more electricity is produced with the same installed capacity in KHAЕ	2.721.000	788.056	2.757.961	798.761	The investment is finished. Compliance with UCTE requirements has been achieved.
LT-\$-0029	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Installation of solar collectors for feeding water preparation. Conservation of electricity in KHAЕ	57.000	16.508	75.628	21.903	The investment is finished. Volume of investment was corrected after the start of works. That caused the increased investment amount.
LT-\$-0030	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Modernization of managing systems to increase efficiency	20.314.000	5.883.341	20.313.813	5.883.287	The investment is finished.
LT-\$-0031	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Building of a new 455 MW capacity KCDT block (closing two blocks) to increase electricity production efficiency about 30%	1.226.008.000	355.076.460	1.305.009.902	377.956.992	The investment is finished. New capacity: 455 MW. Decommissioned capacity: 330 MW. The amount of investment increased because of the changed project technical specification and increased prices of

										raw materials.
LT-\$-0033	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Reconstruction of wastewater handling equipment reducing electricity consumption for managing of technological wastewater	2.200.000	637.164	4.132.313	1.196.801	The investment is ongoing. Invested amount increased and the year of implementation was delayed (2014) because of increased investment volume. The investment is included into the Plan of Environmental and Social Measures, which is obligatory with regard to the commitments to EBRD.
LT-\$-0034	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Reconstruction of flue stack in Lietuvos Power Plant increasing efficiency and reducing electricity capacity	3.000.000	868.860	Investment postponed to 2015		Due to the overall volume of investments carried out by the operator, term of implementation of the investment has been postponed to 2015.
LT-\$-0036	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Reduction of energy consumption for preparation of chemically treated water used for electricity production	250.000	72.405	75.000	21.722	The investment is finished. Investment amount decreased because in the beginning when the investment was planned, decreasing production capacities were not evaluated. During the

										implementation period a pump with frequency changer having lower technical characteristics has been chosen.
LT-\$-0037	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Investment in hydro clutch to reduce energy consumption in electricity production	800.000	231.696	Investment cancelled due to changed needs.		
LT-\$-0038	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Construction of fuel system and storage for low-sulphur fuel oil	900.000	260.658	Investment cancelled due to changed needs.		
LT-\$-0039	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	Construction of biofuel power plant	90.000.000	26.065.802	1.498.432	433.976	The investment is ongoing. The amount and term of implementation have been revised according to the decision of the National Commission for Energy Control and Prices.

The rest of planned investments in 2014-2020 are shown in Table 3 below:

3 Table: Investment schedule for 2014-2020

Investment number	Value		Invested amount in 2013		Investments in 2014		Investments in 2015		Investments in 2016		Investments in 2017		Investments in 2018		Investments in 2019		Investment in 2020		
	LT	EUR	LTL	EUR	LTL	EUR	LTL	EUR	LTL	EUR	LTL	EUR	LTL	EUR	LTL	EUR	LTL	EUR	
	3.226.096.885	934.342.240	1.545.009.654	447.465.725	95.662.568	27.705.795	1.006.220.000	291.421.455	700.000	202.734	0	0	301.300.000	87.262.512	336.000.000	97.312.326	12.650.000	3.663.693	
LT-\$-0001	86.900.000	25.167.980	87.149.205	25.240.154	Finished														
LT-\$-0002	42.300.000	12.250.927				0		0		0		0	42.300.000	12.250.927		0		0	
LT-\$-0003	12.700.000	3.678.174		0			12.700.000	3.678.174		0		0		0		0			0
LT-\$-0004	12.000.000	3.475.440	Investment cancelled due to changed needs.																
LT-\$-0005	900.000	260.658		0		0	900.000	260.658		0		0		0		0		0	0
LT-\$-0006	900.000	260.658		0		0	900.000	260.658		0		0		0		0		0	0
LT-\$-0007	500.000	144.810	698.169	202.204	Finished														
LT-\$-0008	17.166.000	4.971.617	16.345.623	4.734.020	Finished														
LT-\$-0009	45.000.000	13.032.901		0		0	45.000.000	13.032.901		0		0		0		0		0	0
LT-\$-0010	95.000.000	27.513.902		0		0	95.000.000	27.513.902		0		0		0		0		0	0
LT-\$-0011	530.000.000	153.498.610		0		0	530.000.000	153.498.610		0		0		0		0		0	0
LT-\$-0012	600.000	173.772		0		0		0		0		0		0		0		600.000	173.772
LT-\$-0013	2.000.000	579.240		0		0		0		0		0		0		0		2.000.000	579.240
LT-\$-0014	500.000	144.810		0		0		0		0		0		0		0		500.000	144.810
LT-\$-0015	118.720.000	34.383.689		0		0	118.720.000	34.383.689		0		0		0		0		0	0
LT-\$-0016	50.000.000	14.481.001		0		0	50.000.000	14.481.001		0		0		0		0		0	0
LT-\$-0017	15.500.000	4.489.110	15.701.130	4.547.362	Finished														
LT-\$-0018	50.470.000	14.617.122	47.901.755	13.873.307	Finished														
LT-\$-0020	98.885	28.639	98.885	28.639	Finished														
LT-\$-0021	700.000	202.734		0		0		0	700.000	202.734		0		0		0		0	0
LT-\$-0022	150.000.000	43.443.003		0		0	150.000.000	43.443.003		0		0		0		0		0	0
LT-\$-0023	259.000.000	75.011.585		0		0		0		0		0	259.000.000	75.011.585		0		0	0
LT-\$-0024	7.200.000	2.085.264		0		0		0		0		0		0		0		7.200.000	2.085.264
LT-\$-0025	336.000.000	97.312.326		0		0		0		0		0		0	336.000.000	97.312.326		0	0
LT-\$-0026	2.400.000	695.088	Investment cancelled due to changed needs.																
LT-\$-0027	40.942.000	11.857.623	43.251.838	12.526.598	Finished														
LT-\$-0028	2.721.000	788.056	2.757.961	798.761	Finished														
LT-\$-0029	57.000	16.508	75.628	21.903	Finished														
LT-\$-0030	20.314.000	5.883.341	20.313.813	5.883.287	Finished														
LT-\$-0031	1.226.008.000	355.076.460	1.305.009.902	377.956.992	Finished														
LT-\$-0033	2.200.000	637.164	4.132.313	1.196.801	1.200.000	347.544		0		0		0		0		0		0	0
LT-\$-0034	3.000.000	868.860	Postponed to 2015		0	0	3.000.000	868.860		0		0		0		0		0	0
LT-\$-0035	2.350.000	680.607		0		0		0		0		0		0		0		2.350.000	680.607
LT-\$-0036	250.000	72.405	75.000	21.722	Finished														
LT-\$-0037	800.000	231.696	Investment cancelled due to changed needs.																
LT-\$-0038	900.000	260.658	Investment cancelled due to changed needs.																
LT-\$-0039	90.000.000	26.065.802	1.498.432	433.976	94.462.568	27.358.251		0		0		0		0		0		0	0

2.3 Evidence documents

According to item 2.4 of the Joint Order, all operators must submit their annual reports together with the Statement of an independent certified auditor or audit company on investments made in improvement of infrastructure, on implementation of environment-friendly technologies that reduce GHG emissions and investment amount in energy sector to the Ministry of Energy.. The list of evidence documents submitted by the operators is provided in the Table 4 below:

4 Table: List of documents supporting the investments

Investment number	Operator	Installation	Installation ID in the National Investment Plan	Installation ID in the Union registry	Supporting documents
LT-\$-0001	Litesko	Alytus boiler house	LT-006	LT086	1. Statement No. 2014/04/03-1 of an auditor, 3 April 2014, audit company "Auditoriaus konsultacijos" UAB, on project "Construction of biomass CHP in Alytus RK" (2 pages); 2. Building completion certificate No. SUA-10-120510-00017-(14.45), 10 May 2012 (3 pages).
LT-\$-0004	Litesko	Druskininkai Pramonės boiler house	LT-007	LT078	Investment cancelled. Based on decisions of the Council of Druskininkai Municipality, planned steam boiler was changed to water boiler in Druskininkai Pramonės boiler house (copies of Council decisions as well as Declaration on building (installation) completion No SUA-10-131231-00125-(1245), are attached), 11 pages.
LT-\$-0007	Litesko	Marijampole boiler house	LT-008	LT085	1. Statement No. 2014/04/03-2 of an auditor, 3 April 2014, audit company "Auditoriaus konsultacijos" UAB, on project "Reconstruction of 0,4 kV switchyard in Marijampole RK" (2 pages); 2. Building completion certificate No. MT-141/1, 29 November 2012 (3 pages); 1. Statement No. 2014/04/03-1 of an auditor, 3 April 2014, audit company "Auditoriaus konsultacijos" UAB, on project "Reconstruction of 6 kV switchyard of CHP No.2" (2 pages); 2. Statement on Building/installation acceptance for use (3 pages).

LT-\$-0008	Vilniaus energija	CHP No. 2	LT-012	LT044	1. Statement No. 2014/04/03-1 of an auditor, 3 April 2014, audit company "Auditoriaus konsultacijos" UAB, on project "Reconstruction of 6 kV switchyard of CHP No.2 " (2 pages); 2. Act on Building/installation acceptance for use (3 pages).
LT-\$-0017	Utenos ŠT	Utena boiler house	LT-011	LT057	1. Building completion certificate No. SUA-60-120717-00092, 11 December 2012 (3 pages); 2. Acts of putting into operation the fixed assets (13 pages).
LT-\$-0018	Šiaulių energija	Siauliai Southern boiler house	LT-010	LT050	1. Building completion certificate No. SUA-90-121211-00089, 17 July 2012 (4 pages); 2. Act of putting into operation the fixed assets No 20A (2 pages).
LT-\$-0020	Šiaulių energija	Siauliai Southern boiler house	LT-010	LT050	
LT-\$-0027	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	1. Act on Building/installation acceptance for use, 11 December 2008 (5 pages); 2. Building completion certificate No. SUA-923-(15.34), 19 May 2011 (4 pages); 3. Act on Building/installation acceptance for use No P-33/01, 20 July 2011 (2 pages); 4. Act on Building/installation acceptance for use No 1S-V-38-01, 31 December 2010 (2 pages); 5. Act on Building/installation acceptance for use No 2008.12/41V-02, 10 December 2008 (2 pages); 6. Act on Building/installation acceptance for use No 200912/78V-02, 31 December 2009 (2 pages); 7. VAT invoice No 101227 for solar collector (1 page); 8. VAT invoice for water heating with solar collector system No 90727 (1 page); 9. Act on take over of works (27 July 2009), 1 page; 10. Act on Block 5 modernised management system acceptance for use No 211-2-93, 18 October 2010 (4 pages); 11. Act on Block 7 modernised management system acceptance for use No 211-2-95, 18 October 2010 (4 pages); 12. Act on Block 8 modernised management system acceptance for use No 211-2-96, 18 October 2010 (4 pages); 13. Building completion certificate No. SUA-00-121015-00362, 15 October 2012 (8 pages); 14. Building completion certificate No. SUA-00-120802-00241,2
LT-\$-0028	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	
LT-\$-0029	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	
LT-\$-0030	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	
LT-\$-0031	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	
LT-\$-0033	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	
LT-\$-0036	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	

LT-\$-0039	Lietuvos energijos gamyba	Lietuvos Power plant	LT-005	LT087	August 2012 (4 pages); 15. Building completion certificate No. SUA-00-120928-00330, 28 September 2012 (3 pages); 16. EBRD Final Report "Lender's Engineer for a new CCGT 450 MW unit Lietuvos Elektrine - Lithuania", Fichtner GmbH & Co KG, 31 October 2012, 6 pages); 17. VAT invoice No 8000112379 for Frequency transformer (1 page); 18. VAT invoice No 8000112322 for pump and Grundfos warranty certificate (2 pages).
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Copies of the documents (in Lithuanian) mentioned in the Table above are available in the Ministry of Energy of the Republic of Lithuania, Department of Energy Production and shall be presented upon request, ref. Nerijus Jasinskas, Nerijus.jasinskas@enmin.lt.

2.4 Compliance indicators

Compliance indicators for the investments set out in the National Plan are the following:

- Comparison of the emission factor of the technology adopted by each installation due to investments undertaken under Article 10c of Directive 2003/87/EC with the emission factor of the technology used before the retrofitting/ upgrading, t CO₂/MWh;
- Expected and implemented decrease in total greenhouse gases emissions generated by electricity production due to investments undertaken under Article 10c (compared to business as usual scenario);
- Expected and implemented efficiency gains in electricity generation process is expressed as the ratio of the electricity produced (in TJ) with the energy input from fuels (in TJ). Efficiency increase is measured as rated difference before and after the investment;
- Efficiency gains in electricity distribution networks shall be determined as a reduction of network losses.

Each operator was allowed to choose any or several of compliance indicators to assess whether the investments undertaken in electricity sector reached the objectives of the National Investment Plan – direct or indirect decrease of GHG emissions in a cost effective manner.

Compliance indicators achieved by the completely implemented investments in modernisation of electricity sector are provided in Table 5 below:

5 Table: Compliance indicators of the finished investments, 2013

Investment number	Description	Invested amount in 2013		Compliance indicators		
		LTL	EUR	Increase of efficiency in electricity production, %	Reduction of CO ₂ emissions in electricity production, t/year	Change in emission factor, t CO ₂ /TJ
LT-\$-0001	Construction of 5,4 MWe biomass CHP in Alytus RK	87.149.205	25.240.154	4,1	6.357	
LT-\$-0007	Reconstruction of 0,4 kV switchyard in Marijampole RK	698.169	202.204	Compliance with UCTE reliability requirements		
LT-\$-0008	Reconstruction of 6 kV switchyard of CHP No.2	16.345.623	4.734.020	Compliance with UCTE reliability requirements		
LT-\$-0017	Construction of biofuel CHP	15.701.130	4.547.362	14	15.482	
LT-\$-0018	Installation of biofuel CHP	47.901.755	13.873.307		5.161	-108,5
LT-\$-0020	Optimisation of burning process in steam boiler No. 3	98.885	28.639		240	
LT-\$-0027	Plant reconstruction to increase efficiency: more electricity is produced with the same installed capacity in KHE	43.251.838	12.526.598	4		
LT-\$-0028	Reconstruction of hydrounits regulation systems to increase efficiency: more electricity is produced with the same installed capacity in KHAE	2.757.961	798.761	Compliance with UCTE reliability requirements		
LT-\$-0029	Installation of solar collectors for feeding water preparation. Conservation of electricity in KHAE	75.628	21.903	10		
LT-\$-0030	Modernization of managing systems to increase efficiency	20.313.813	5.883.287	0,05		
LT-\$-0031	Building of a new 455 MW capacity KCDT block (closing two blocks) to increase electricity production efficiency about 30%	1.305.009.902	377.956.992	93		
LT-\$-0036	Reduction of energy consumption for preparation of chemically treated water used for electricity production	75.000	21.722	35,8		

Total GHG emissions reduction generated by investments in 2010-2013 makes 27.240 t CO₂/year. As a result of implemented new clean technologies, average efficiency of electricity production in the installations involved has increased by 23%.

3 Allocation for 2013-2019 based on investments

According to the provisions of the National investment plan, emission allowances allocated pursuant to Article 10c of the ETS Directive shall be transferred to an operator only after the investment eligible under the National Plan is undertaken. Pursuant to the Part C.2.1 of the Application, if the amount of investment undertaken by an operator is higher than the value of free emission allowances allocated under Article 10c of the ETS Directive, it receives the amount of allowances not higher than it was allocated in a given year according to the National Plan. The excess value of investments in a given year may be used for compliance with the next years' allocation. Table 6 below shows allocation for 2013 – 2019 based on investments implemented in 2010-2013. Grey cells illustrate the possible allocation in later years after the investments are undertaken by the rest of installations.

6 Table: allocation for installations based on implemented investments in 2010-2013

Installation ID in the National Investment Plan	Installation name	Installation ID in the Union registry	Operator	Allocation based on investments and adjusted to allocation plan, EUA							
				2013	2014	2015	2016	2017	2018	2019	2020
TOTAL numbers:				322.449	297.113	269.475	237.230	200.379	158.922	94.432	0
LT-001	Noreikiskes boiler house	LT072	Kauno energija	0	0						0
LT-002	Petrasiunai power plant	LT069	Kauno energija	0	0						0
LT-003	Power plant	LT055	Klaipėdos energija	0	0	0					0
LT-004	Kaunas Power plant	LT088	KTE	0	0						0
LT-005	Lietuvos Power plant	LT087	Lietuvos elektrinė	285.387	262.963	238.502	209.963	177.347	140.655	83.578	0
LT-006	Alytus boiler house	LT086	Litesko	5.835	5.376	4.876	4.293	3.626	2.876	1.709	0
LT-007	Druskininkai Pramonės boiler house	LT078	Litesko	0	0	0	0	0			0
LT-008	Marijampole boiler house	LT085	Litesko	1.585	1.461	1.325	1.166	985	781	464	0
LT-010	Siauliai Southern boiler house	LT050	Šiaulių energija	1.903	1.753	1.590	1.400	1.182	938	557	0
LT-011	Utena boiler house	LT057	Utenos ŠT	152	140	127	112	95	75	45	0
LT-012	CHP No. 2	LT044	Vilniaus energija	27.587	25.420	23.055	20.296	17.144	13.597	8.079	0
LT-013	CHP No.3	LT045	Vilniaus energija	0	0						0

4 Conclusions

The investments undertaken in modernization of electricity sector in Lithuania during the period of 2010-2013 made 48% of total investments planned for 2013-2020. Out of 37 investments approved in the National Investment Plan, 19 have been undertaken during the reporting period, 3 have been cancelled and 1 postponed to later year.

The amount of EU allowances generated in 2010-2013 by investments of 6 out of 12 installations is equal to 30.859.705 EUAs, however only 2.853.624 EUAs can be allocated for the whole period till 2019. According to the allocation plan provided in the Application, total amount of 582.373 EUAs is planned to allocate in 2013. However, not all the installations were involved in the investment process till 2013 and final allocation in 2013 makes only 322.449 EUAs (55% of planned in 2013).

3 operators are planning to invest only in 2019-2020. However, the issuance of transitional free allowances in 2020 and 2021 is not foreseen by article 10 c of the Directive 2003/87/EC. Having regard to the circumstances mentioned above, Lithuania intends to requests the Commission for extension of the period during which Lithuania would be able to give transitional free allocation to installations for electricity production, pursuant to article 10c 7 of Directive 2003/87/EC.