



Data collection and benchmarking: lessons learnt towards new Article 11

The experience of Lithuania



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Overview of Today's Topics

Lithuania's experience in implementing Article 8 of the EED and expectations towards new Article 11:

- **Submission and quality** assurance of energy audits and / or EnMS reports by LEA;
- **What data** and information on the conduction of energy audits and / or EnMS is **collected**?
- What data **is not being collected** that should be collected from LEA's perspective?
- The **main challenges / possible solutions with the transposition** of the new EED.



Image source: https://european-union.europa.eu/principles-countries-history/eu-countries/lithuania_lt

The submission of energy audits' reports

Twice a year energy **auditors** provide LEA information on carried out audits and / or EnMS (as well as copies of the reports) via **online form** or via **e-mail**.

Once a year large enterprises (for obliged enterprise once in a four-year period) submit LEA audits and / or EnMS via **e-mail**.

LEA annually receives avg. EAs:

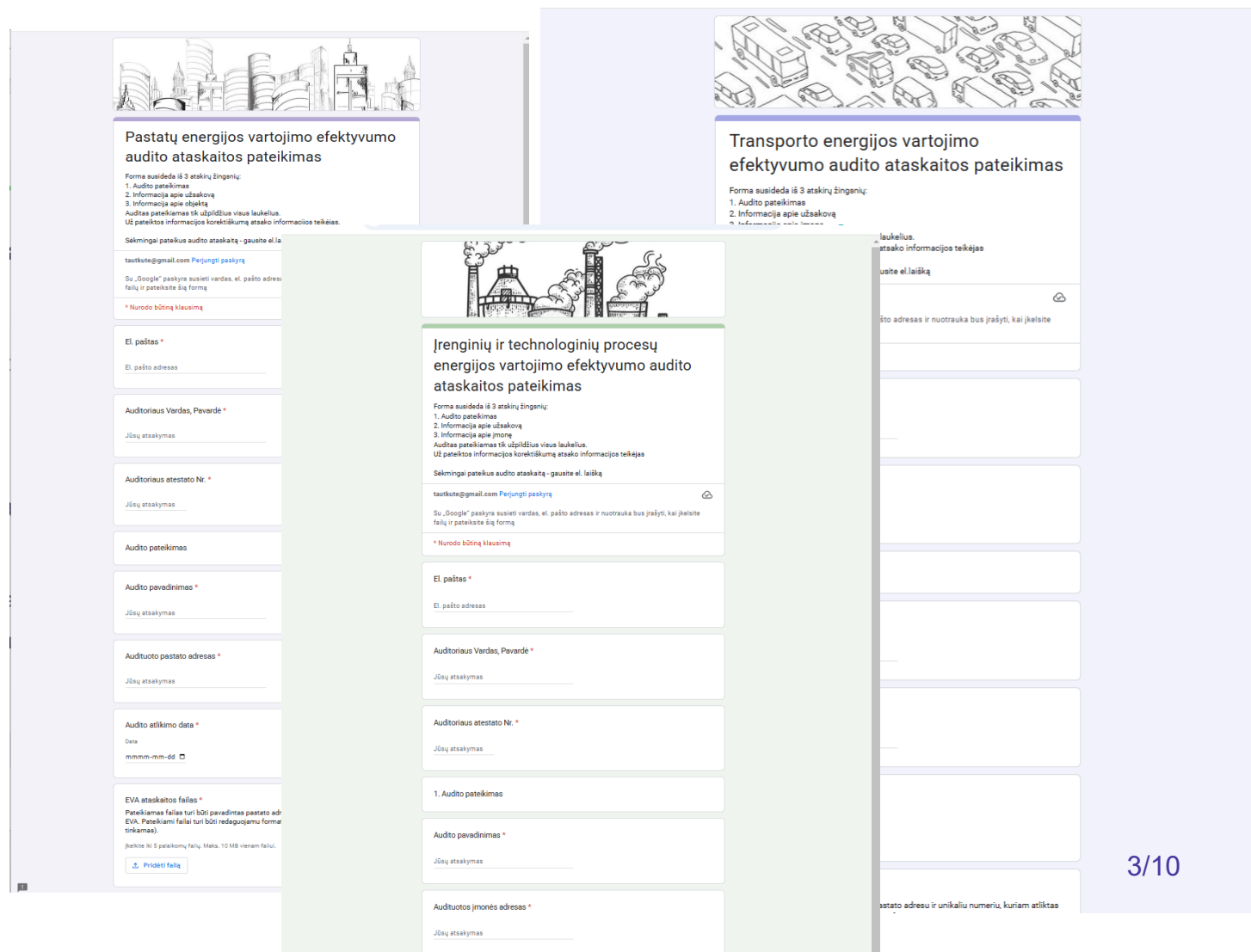
 **140** facilities and technological processes

 **10** transport

 **100** public buildings

LEAP to  11

Image: online forms (LEA web) for submitting energy audits



Pastatų energijos vartojimo efektyvumo audito ataskaitos pateikimas

Forma susideda iš 3 atskirų žingsnių:

1. Audito pateikimas
2. Informacija apie užsakovą
3. Informacija apie objektą

Auditas pateikiamas tik užpildžius visus laukelius. Už pateiktos informacijos korektūrumą atskaito informacijos teikėjas.

Sėkmingai pateikus audito ataskaitą - gausite el. laišką

tautkute@gmail.com [Perjungti paskyrą](#)

Su „Google“ paskyru susieti vardas, el. pašto adresą failų ir pateikite šią formą

* Nurodo būtiną klausimą

El. paštas *

El. pašto adresas

Auditoriaus Vardas, Pavardė *

Jūsų ataskaitas

Auditoriaus atestato Nr. *

Jūsų ataskaitas

Audito pateikimas

Audito pavadinimas *

Jūsų ataskaitas

Audituoto pastato adresas *

Jūsų ataskaitas

Audito atlikimo data *

Data

mmmm-mm-dd

EVA ataskaitos failas *

Pateikiamas failas turi būti pavadintas pastato ad- EVA. Pateikiami failai turi būti redaguojami formos (trikampis).

(Jei failas turi būti 5 paskyrimo failų, Maks. 10 MB vienam failui.)

[Pridėti failą](#)

Transporto energijos vartojimo efektyvumo audito ataskaitos pateikimas

Forma susideda iš 3 atskirų žingsnių:

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Su „Google“ paskyru susieti vardas, el. pašto adresą ir nuotrauką bus įrašyti, kai įkelsite failų ir pateikite šią formą

* Nurodo būtiną klausimą

El. paštas *

El. pašto adresas

Auditoriaus Vardas, Pavardė *

Jūsų ataskaitas

Auditoriaus atestato Nr. *

Jūsų ataskaitas

1. Audito pateikimas

Audito pavadinimas *

Jūsų ataskaitas

Audituoto įmonės adresas *

Jūsų ataskaitas

Quality assurance of energy efficiency audits reports

LEA performs quality assessment:

- Of **20 percent** of all submitted audit reports **every year**;
- Checks whether the audit report submitted by the auditor **complies with the provisions of the audit methodology** and fills out the approval forms;
- Prepares **recommendations** considering the most common mistakes;
- In certain cases sanctions might be applied, such as suspension or cancellation of the Auditors certificate.




QUALITY ASSESSMENT SHEET OF THE ENERGY CONSUMPTION IN BUILDINGS REPORT

Sl. No.	Evaluation Criterion	Yes	No	Comments and remarks
1.0	Is the general information provided about the building sufficiently informative to implement the process outlined in the methodology?	x	x	
2.0	Are the standards and regulations used in the audit properly listed? The standards and regulations referred to in the report are relevant and up-to-date?	x	x	
3.0	Is the information sufficient for making proper assessment and recommendations to clarify the deficiencies?	x	x	
4.0	Is the methodology followed in the audit well explained and justified enough to implement the methodology?	x	x	
5.0	Is the methodology of the audit clearly explained for better understanding of the methodology?	x	x	
6.0	Are the results of the audit clearly explained and justified enough to implement the methodology?	x	x	
7.0	Are the results of the audit clearly explained and justified enough to implement the methodology?	x	x	
8.0	Are the results of the audit clearly explained and justified enough to implement the methodology?	x	x	

The energy audit quality assurance is an important function needed for EED implementation and enabling energy savings, together with other non-energy benefits.

Data and information collection on EED Article 8 (1/2)

Data collected during EAs' and / or EnMS report **submission process** (auditors and / or large enterprises):

- Information about **large companies**: legal entity code; name; municipality; number of employees; annual turnover; balance sheet asset value
- Information about **auditors**: name; qualification certif. no.; number of audits conducted; titles of audits
- Information about **audits**: titles of audits; address of the audited company and / or building; audit date; copy of energy audit

Data collected during EAs' and / or EnMS report **quality assurance process** (auditors):

- Information about each certified **auditor**: name; number of audits carried out; titles of audits; non-compliance with legal acts in audits prepared by the auditor; auditor's list of errors in reports
- Data presented in the audit report (*to 20 percent of all submitted audit reports*): non-compliance with legal acts; list of errors in reports

All information stored in LEA's repository.



Data and information collection on EED Article 8 (2/2)

Data and information marked "–" in the table 2.12 **can be obtained from audit reports**, as the auditing methodology requires them to be presented in the reports.

However, **data is not always collected and stored** in a separate summary or report.

This data is collected when **specific analysis is needed**.

Also, the accumulation of such data would not always provide accurate calculations or analyses because:

- The activities of individual companies **may differ** significantly
- Data may not be provided due to the specific nature of the company's operations or a lack of available information
- The data may not always be accurate, based on practical values observed in practice

2.12 What data and information on the conduction of energy audits is collected in specific?

Please mark with "X" or specify details:	General information (sectoral and geographical)	X
	Company size	X
	Certifications (e.g. <u>EnMS</u>)	–
	A monitoring system (or other) of energy consumption	–
	Production output/activity (e.g. in industry tons of product, m2 of tiles) or activity, or equivalent	–
	Energy consumption (total or by energy carriers)	–
	Energy consumption structure/uses in the company (e.g. main, auxiliar and general)	–
	Energy Performance Improvement Actions (EPIAs) (energy efficiency measures) identified	–
	Energy Performance Improvement Actions (EPIAs) (energy efficiency measures) implemented after the previous energy audit	–
	Other, please specify:	–

Image: extract of LEA's prefilled Leap to 11 T2.1 questionnaire.

What data is not being collected that should be collected from LEA's perspective?

Data and information marked "X" in the table 2.14 **can be obtained from audit reports**, as the auditing methodology requires them to be presented in the reports.

Mainly this data is not collected because LEA do not have an obligation to collect such data.

However, we believe that having such data would **help to track indicators**, such as:

- Most common recommended measures;
- Planned and implemented measures;
- Savings potential;
- Measures, that have the greatest saving effect, etc.

2.14 Is some data not being collected that should be collected from your perspective? Why is this data not being collected?

Please mark with "X" or specify details:	General information (sectoral and geographical)	-
	Size of company	-
	Certifications (e.g. <u>EnMS</u>)	-
	The existence of a monitoring system of energy consumption	X
	Production output/activity (e.g. in industry tons of product, m2 of tiles) for the purpose of benchmarking the relation between energy and production output/activity	X
	Energy consumption (total or by energy carriers)	X
	Energy consumption structure/uses in the company (e.g. main, auxiliar and general)	X
	Energy Performance Improvement Actions (EPIAs) (energy efficiency measures) identified	X
	Energy Performance Improvement Actions (EPIAs) (energy efficiency measures) implemented after the previous energy audit	X
	Other, please specify:	-

Image: extract of LEA's prefilled Leap to 11 T2.1 questionnaire.

The main challenges with the transposition of the new EED (LEA insights) (1/3)

Identification of new obligated companies

There is no final decision yet on how to identify the obligated companies by new Article 11. The draft of Law on Energy Efficiency stipulates that companies should **voluntarily report** whether they exceed the consumption limit set by the EED.

RISK: we presume that companies will tend to avoid reporting about consumption.

SOLUTION: develop databases or platforms to collect information about consumption so identifying obligated companies.



The main challenges with the transposition of the new EED (LEA insights) (2/3)

Companies are not yet ready for the new requirements

Until the Energy Efficiency Law and the secondary legislation transposing the EED have not been adopted, companies **can not know the exact future requirements and procedures**. So today many questions arise about how the new provisions will be implemented in practice.

RISK: lack of experience in preparing efficiency plans in enterprises, also lack of financial resources to implement those plans.

SOLUTION: adapting training programs, information actions to the new requirements. Preparing guidelines.



The main challenges with the transposition of the new EED (LEA insights) (3/3)

SMEs involvement in the process

Implementing agency nor the SMEs enterprises had previous experience in adapting to the changed requirements, so **processes could be slower than desired**.

RISK: no previous experience in setting up incentive programs to provide technical assistance to SMEs.

SOLUTION: get support by exchange of best practices in other member states. For SMEs - training programs, information actions, guidelines.





Thank You



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