



Collecting Audit Data from Non-SME in Germany

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What's New in Germany regarding the Energy Audit Obligation

- Compulsory Only Energy Audit Declaration
- Management Summary (prototype)





Legal Basis for the Collection of Data through the Online Audit Declaration in Germany (Gesetz über Energiedienstleistungen und andere Energieeffizienzmaßnahmen)

§ 8c Nachweisführung

- 1. Angaben zum Unternehmen,
- 2. Angaben zur Person, die das Energieaudit durchgeführt hat,
- 3. den Gesamtenergieverbrauch in Kilowattstunden pro Jahr und aufgeschlüsselt nach Energieträgern,
- 4. die bestehenden Energiekosten in Euro pro Jahr aufgeschlüsselt nach Energieträgern,
- 5. die identifizierten und vorgeschlagenen Maßnahmen einschließlich der Angabe der Investitionskosten, der voraussichtlichen Nutzungsdauer und der zu erwartenden Energieeinsparungen in Kilowattstunden pro Jahr und in Euro pro Jahr und
- 6. die Kosten des Energieaudits aufgeschlüsselt nach unternehmensinternen und unternehmensexternen Kosten.

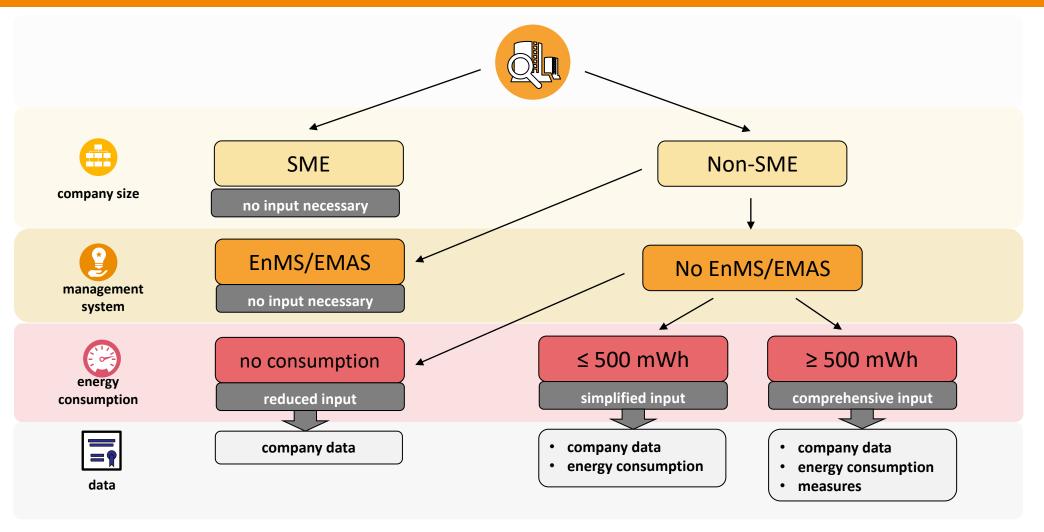
§ 8c Audit Declaration

- information about the company,
- 2. details of the person who carried out the energy audit,
- 3. the total energy consumption in kilowatt hours per year and broken down by energy source,
- 4. the existing energy costs in euros per year broken down by energy source,
- 5. the measures identified and proposed, including an indication of investment costs, expected useful life and expected energy savings in kilowatt hours per year and in euros per year; and
- 6. the costs of the energy audit broken down by internal and external costs.





Data Collection: Who is Obligated to Submit an Online Declaration







The Online Declaration Form: Provided Data

- mandatory fields ask for the audit data
- plausibilities are checked automatically
- every energy auditor who can perform energy audits in Germany is registered under a certain number and this number has to be included in the online declaration form or the form cannot be submitted





Online-Audit-Declaration-Form I: The Company and Contact Details

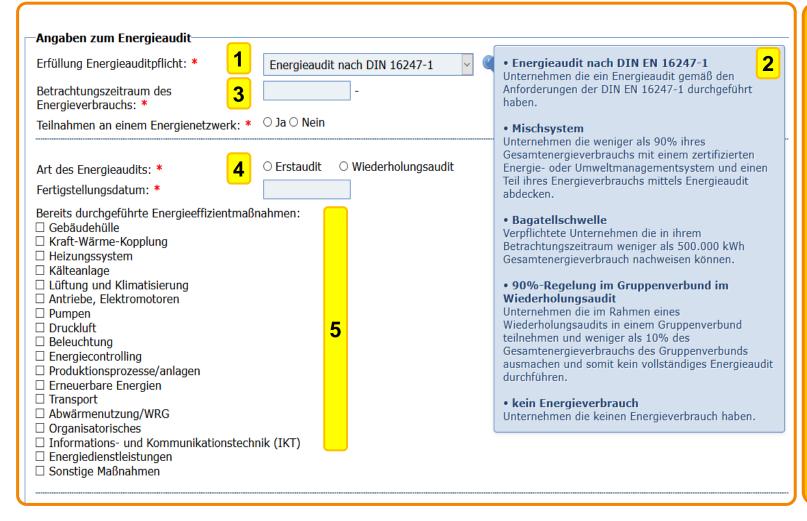


- red asterisk *
 indicates a mandatory
 field
- 2. list of business branch classification





Online-Audit-Declaration-Form II: Audit Specifications and Implemented Measures



- confirmation of the fulfillment of the audit obligation
- additional informational fields to facilitate the declaration process
- 3. observation period
- first audit or sequential audit, completion date
- checkboxes for declaration of implemented measures





Online-Audit-Declaration-Form III: Consumption

1	2	3	2a	2b	4	5
Energieträger ①	Eingabeart	Netto- Energiekosten [€]	Eingabe Verbrauchsmenge	Eingabe Energieverbrauch [kWh]	Anteil Gesamtenergieverbrauch [kWh]	CO ₂ - Emissio [tCO ₂]
Stromverbrauch Inland					0	0,0
Nah-/ Fernwärme					0	0,0
Fernkälte					0	0,0
Erdgas					0	0,0
Heizöl leicht	Bitte wählen V				0	0,
Heizöl schwer	Bitte wählen v				0	0,
Schiffsöl (Binnenschifffahrt)	Bitte wählen V		I		0	0,
Flüssiggas	Bitte wählen v		kg		0	0,
Steinkohle	Bitte wählen v		kg		0	0,
Braunkohle	Bitte wählen v		kg		0	0,
Ottokraftstoffe	Bitte wählen V				0	0,
Dieselkraftstoffe	Bitte wählen V		I		0	0,
Biomasse Holz	Bitte wählen V		kg		0	0,
Pellets	Bitte wählen V		kg		0	0,
Biogas	Bitte wählen V		m ³		0	0,
Biodiesel	Bitte wählen V		I		0	0,
Wasserstoff	Bitte wählen v		m ³		0	
Sonstige, nicht aufgeführte Energieträger					0	
Summen		0			0	0,0

- 1. energy source
- 2. selection of input
- 3. energy costs
- 2a. consumption quantity
- 2b . energy consumption
- 4. share of total energy consumption
- 5. calculated emissions





Online-Audit-Declaration-Form IV: Suggested Energy Saving Measures

- 1. Selection of action area
- 2. Selection of sub-category
- 3. Useful life of the investment

 Investment costs, energy saving only for non-SME with threshold over 500.000 kWh

—Maßnahmen————————————————————————————————————						
Maßnahme Nr. 1						
Maßnahmenbereich: *	1	Energiecontrolling				
Unterkategorie: *	2	Einführung eines Energiemanagementsystems nach ISO 50001				
vsl. Nutzungsdauer der Investition: *	3	15 Jahr(e) 0 Monat(e)				
Investitionskosten: *		25000 €				
berechnete Einsparung in kWh/a: *	4	10000 kWh/a				
berechnete Einsparung in €/a: *		2500 €/a				





Problems We Are Facing within the Declaration Process and How We Address Them

Transfer of Data:

The energy audit obligation is aimed at the legal entities. But when the focus of the audit investigation was placed on local units, then a differentiated evaluation per legal unit is difficult and the data from the energy audit report is not easily transferred into the pre-structured declaration format. This can lead to double reporting, when several companies are located at the same site (especially regarding energy consumption, energy saving measures).



We address this problem in our fact sheets and guidelines to help auditors and auditees to navigate these tricky parts successfully.

Frequent Input Errors:

typos, transposed digits, mixing up of company values, declaration is submitted two or three times because the company did not receive the (normally) automatically generated confirmation about the successful submission

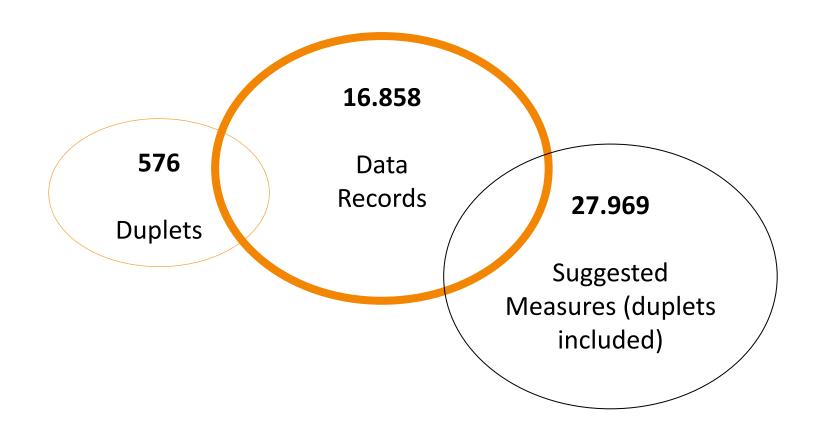


We are in the process of checking the validity of the data. Filters have to be set to adjust the data (especially to filter double declarations).





Online Declaration in Numbers







Providing of Customer Facing Information: The Management Summary



Step 1



- incorporation of the data provided through the online audit declaration form
- > evaluation and compilaton of the data to generate the management summary (automated process)

Step 2



management receives illustratively edited information about relevant energy consumption, energy saving measures and subsidy programs

Step 3

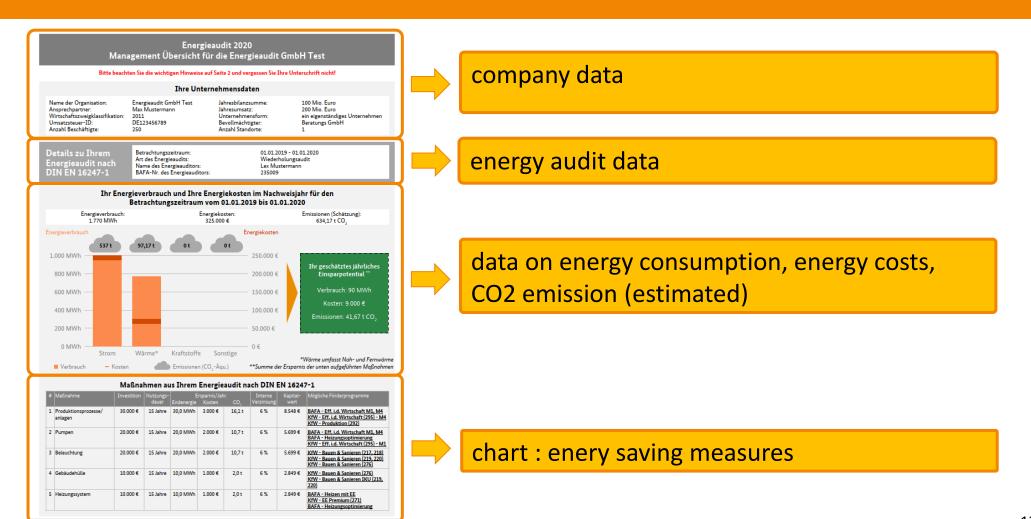


the management summary replaces former verifcation documents and has to be signed by management and the commissioned energy auditor





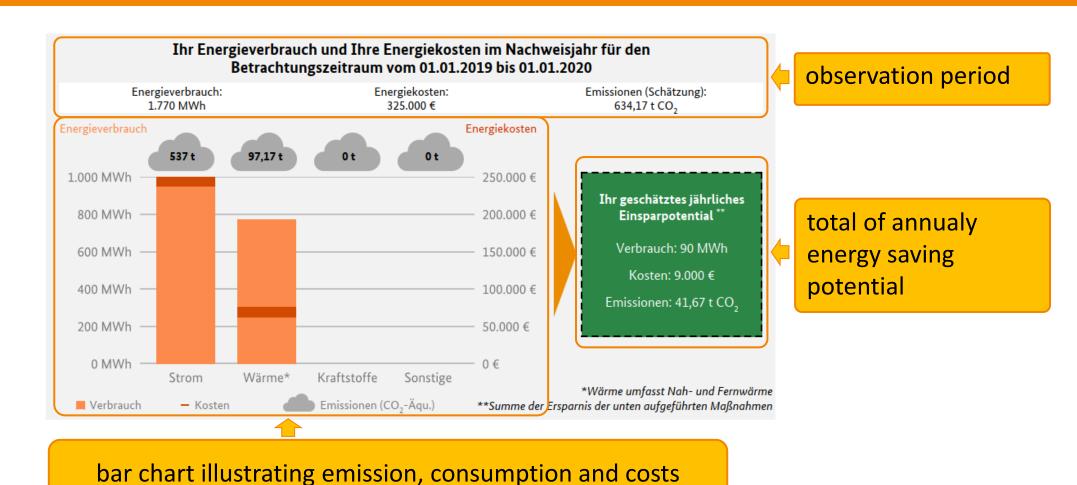
The Management Summary I: The Company's Data at One Glance







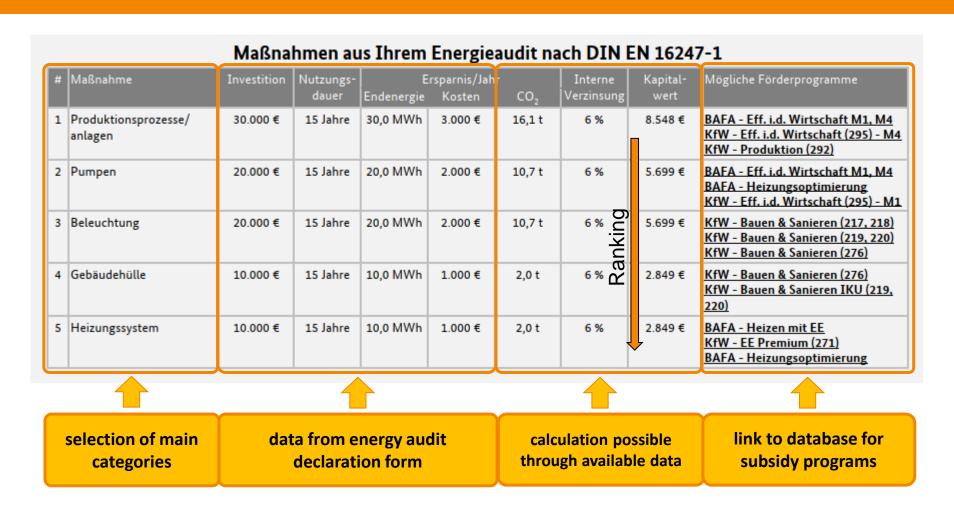
The Management Summary II







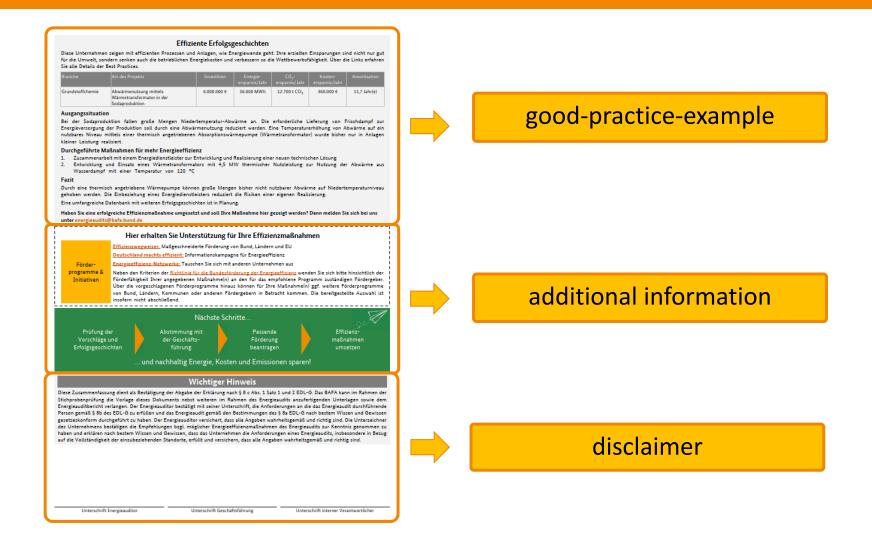
Management Summary III: Measures







The Management Summary IV: Additional Information for Companies







Further Questions?

Please do not hesitate to contact us

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