

CLIMATE NEUTRALITY PLAN

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Language version:	English
Reference filename:	CNP Template COM en 210224.xls

Information about this file:

Installation name:	AS "Latvenergo" TEC-2
Unique Installation Identifier:	
Reference date of the CNP:	

If your competent authority requires you to hand in a signed paper copy of the climate-neutrality plan, please use the space below for signature:

Date

Name and Signature of
legally responsible person

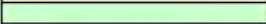
GUIDELINES AND CONDITIONS

General Information on this Template

- 1 Directive 2003/87/EC, as amended most recently by Directive 2023/959/EU (hereinafter "the EU ETS Directive") requires Member States to allocate allowances for free to installations based on Community-wide and fully-harmonised rules (Article 10a(1)). The Directive can be downloaded from:
<https://eur-lex.europa.eu/eli/dir/2003/87/2023-06-05>
- 2 These Free Allocation Rules (hereinafter "the FAR") are contained in the Commission Delegated Regulation (EU) 2019/331. The FAR can be downloaded from:
http://data.europa.eu/eli/reg_del/2019/331/oj
- 3 Article 10a(5) of the EU ETS Directive, together with Article 22b of the FAR, stipulates that the level of free allocation shall be reduced by 20 % if operators of installations whose greenhouse gas emission levels are higher than the 80th percentile of emission levels for the relevant product benchmarks (in 2016/2017) have not established a climate-neutrality plan (CNP) by May 2024 in accordance with Article 10b(4).
- 4 Furthermore, Article 10b(4) grants an additional 30% of free allocation to district heating in certain Member States, provided they also establish a CNP and that an investment volume equivalent to the value of that additional free allocation is invested to significantly reduce emissions before 2030
- 5 Pursuant to Article 10b(4), of the EU ETS Directive the Commission adopted the Implementing Regulation (EU) 2023/2441 (hereinafter "the CNP Regulation"), which specifies the minimum content and format of the CNP. The Regulation can be downloaded from:
https://eur-lex.europa.eu/eli/reg_imp/2023/2441/oj
- 6 This is a template for the CNP and has been developed on behalf of the Commission by its consultants (Umweltbundesamt GmbH Austria). The views expressed in this file represent the views of the authors and not necessarily those of the European Commission.
- 7 **This is the final version of the CNP template, version of 21 February 2024.**

How to use this file

- 7 Automatic calculation (to be found in the menu Formula/Calculation options) must be turned on.
It is recommended that you go through the file from start to end. There are a few functions which will guide you through the form which depend on previous input, such as cells changing colour if an input is not needed (see colour codes below).
In several fields you can choose from predefined inputs. For selecting from such a "drop-down list" either click with the mouse on the small arrow appearing at the right border of the cell, or press "Alt-CursorDown" when you have selected the cell. Some fields allow you to input your own text even if such a drop-down list exists. This is the case when drop-down lists contain empty list entries.
- 8 **Colour codes and fonts:**

Black bold text:	This is text describing the input required.
<i>Smaller italic text:</i>	This text gives further explanations.
	Yellow fields indicate mandatory inputs. However, if the topic is not relevant for the installation, no input is required.
	Light yellow fields indicate that an input is optional.
	Green fields show automatically calculated results. Red text indicates error messages (missing data etc).
	Shaded fields indicate that an input in another field makes the input here irrelevant.
	Grey shaded areas should be filled by Member States before publishing customized version of the template.
	Light grey areas are dedicated for navigation and hyperlinks.
- 9 Navigation panels on top of each sheet provide hyperlinks for quick jumps to individual input sections.
- 10 This template has been locked against data entry except for yellow fields. However, for transparency reasons, no password has been set. This allows for complete viewing of all formulae. When using this file for data entry, it is recommended to keep the protection in force. The sheets should only be unprotected for checking the validity of formulae. It is recommended to do this in a separate file.
- 11 **In order to protect formulae against unintended modifications, which usually lead to wrong and misleading results, it is of utmost importance NOT TO USE the CUT & PASTE.**
If you want to move data, first COPY and PASTE them, and thereafter delete the unwanted data in the old (wrong) place.
- 12 Data fields have not been optimized for numerical and other formats. However, sheet protection has been limited so as to allow you to use your own formats. In particular, you may decide about the number of decimal places displayed. The number of places is in principle independent from the precision of calculation. In principle the option "Precision as displayed" of MS Excel should be deactivated. For more details, consult MS Excel's "Help" function on this topic.
- 13 **DISCLAIMER:** All formulae have been developed carefully and thoroughly. However, mistakes cannot be fully excluded.
As described above, full transparency for checking the validity of calculations is ensured. Neither the authors of this file nor the European Commission can be held liable for eventual damages resulting from wrong or misleading results of the provided calculations.
It is the full responsibility of the user of this file (i.e. the operator of an ETS installation) to ensure that correct data is reported to the competent authority.

Member State specific information:

This Report must be submitted to your Competent Authority to the following address:

Detail address to be provided by the Member State

Information sources:

EU Websites:

EU-Legislation:

<http://eur-lex.europa.eu/en/index.htm>

EU ETS general:

https://climate.ec.europa.eu/eu-action/eu-emissions-trading-system-eu-ets_en

Other Websites:

<to be provided by Member State>

Helpdesk:

<to be provided by Member State, if relevant>

Further guidance as provided by the Member State:



List of climate-neutrality plan versions

The status of the climate-neutrality plan at the reference date should be described in the "status" column. Possible status types include, "working draft", "submitted to the competent authority (CA)", "returned with remarks", etc.

At several locations this document makes reference to external files. Please note that any information contained in such still forms an integral part of the CNP.

II Effectiveness evaluation periods

Periods at which the effectiveness of the climate neutrality plan is evaluated regarding greenhouse gas emissions reductions:							
Year of next effectiveness evaluations:							

B. INSTALLATION DATA

I Consent to use the data contained in this file

The information contained in this file will be used by the competent authority for determining the fulfilment of the climate neutrality plan conditionality of free allocation pursuant to Article 10b of the EU ETS Directive and Article 22b of the FAR Regulation. Furthermore this information might be notified to the European Commission in part or as a whole, if requested so, for the purpose of scrutinising the national implementation measures pursuant to Article 11(1) of the EU ETS Directive.

Please confirm consent to use information contained in this climate neutrality plan.

The operator of this installation confirms that this plan may be used by the competent authority and the European Commission.

The system boundaries and types of greenhouse gases covered by historical emissions, emissions levels and specific targets are consistent with the greenhouse gas emissions permit of the installation and the requirements laid down in the Monitoring and Reporting Regulation (EU) 2018/2066 (MRR) and in the FAR. This also applies when applying for additional allocation for district heating pursuant to Article 22b of the FAR.

The scope of emissions do not include any carbon removals or emission reductions outside the system boundaries of the installation and acquired via carbon offset credits.

Please confirm that the emissions entered comply with the conditions described above.

The operator of this installation confirms the conformity of the system boundaries of emissions.

II Identification of the Installation(s)

1 About the operator

- (a) Operator Name AS "Latvenergo"
- (b) Member State Latvia
- (c) Emissions trading permit number member state/CA prefix RI20SG0018
- (d) Competent Authority Valsts vides dienesta Atļauju pārvalde
- (e) Is the climate neutrality plan submitted by a district heating company at company level? FALSE

Point (e) is only relevant for district heating companies in Bulgaria, Czechia, Latvia or Poland.

If the climate neutrality plan is submitted at company level, historical emissions and targets are to be summed up over all installations covered by the climate neutrality plan and the totals are to be entered in sheets D_HistoricalEmissions and G_FallBackBM and H_OtherProcesses.

2 About your installation(s)

- (a) Name of the installation and ID
- i. Installation name: AS "Latvenergo" TEC 2
- ii. Registry ID of the installation (as in NIMs): LV0000000000000007
This is usually a natural number, i.e. a code different from the Permit identifier used in the Registry (EUTL).
For example, if the Registry ID is BE000000000123456, please enter here 123456. Together with the Member State selected under (c), this Registry ID (unique ID) will be displayed automatically in
- iii. Unique ID:
Include any Member State specific guidance on naming of installations

(b) Address / location of the site of the installation

- i. Address Line 1: Granīta iela 31
- ii. Address Line 2:
- iii. City:
- iv. State/Province/Region: Acone, Salaspils pagasts, Salaspils novads
- v. Postcode/ZIP: LV-2119
- vi. Country: Latvia

The following table is only relevant for district heating companies in Bulgaria, Czechia, Latvia or Slovakia, that submit the climate neutrality plan at company level.
Please list all additional installations linked to and operated by the operator and covered by the climate neutrality plan.

No.	Installation Name	Registry ID (as in NIMs)	Unique ID	Address	City	State/Pro- vince/Region	Postcode/ZIP	Country
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

III Contact details

Who can we contact about your climate neutrality plan?

It will help us to have someone who we can contact directly with any questions about your climate neutrality plan. The persons you name should have the authority to act on behalf of the operator.

- (a) Authorised representative:
- Title:
- First Name:
- Surname:
- Job title:
- Organisation name (if different from the operator):
- Telephone number:
- Email address:
- (b) Primary contact:
- Title:
- First Name:
- Surname:
- Job title:
- Organisation name (if different from the operator):
- Telephone number:
- Email address:

C. INSTALLATION DESCRIPTION

1 List of sub-installations

1 Product benchmark sub-installations

Please select here all relevant product benchmark sub-installations, consistent with the ones provided in the baseline data report.

Please also list here any sub-installations that are planned to start operating after the submission of the CNP.

Where a sub-installation is planned to start operating or to cease operations after the submission of the CNP, please select the relevant period from the drop-down list, respectively. In case no entries are made, it is assumed that the sub-installation is already existing and will remain operational at least until 2050.

No.	Product type	Starting	Cessation?	CL exposed?	CBAM?	Unit
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						

2 Sub-installations with fall-back approaches

Please select here all relevant sub-installations with fall-back approaches, consistent with the ones provided in the baseline data report.

Please also list here any sub-installations that are planned to start operating after the submission of the CNP.

Where a sub-installation is planned to start operating or to cease operations after the submission of the CNP, please select the relevant period from the drop-down list, respectively. In case no entries are made, it is assumed that the sub-installation is already existing and will remain operational at least until 2050.

According to the Annex of the CNP Regulation, you may provide specific emissions in later sheets of this template relative to other units than the default units of the relevant activity, where more appropriate. For instance, you may want to provide specific emissions for a heat benchmark sub-installation per tonne of (aggregated) production, instead of per TJ.

Please enter the relevant unit of production in column N. If no entries are made there, the default units of TJ will be used for the heat and fuel benchmark sub-installations. For process emissions the default units will be tonnes of (aggregated) production.

No.	Sub-installation type	Relevant?	Starting	Cessation?	CL exposed?	CBAM?	Unit
11	Heat benchmark sub-installation, CL, non-CBAM	FALSE			TRUE	FALSE	
12	Heat benchmark sub-installation, non-CL, non-CBAM	FALSE			FALSE	FALSE	
13	Heat benchmark sub-installation, CBAM	FALSE			TRUE	TRUE	
14	District heating sub-installation	TRUE	<= 2023		FALSE	FALSE	TJ
15	Fuel benchmark sub-installation, CL, non-CBAM	FALSE			TRUE	FALSE	
16	Fuel benchmark sub-installation, non-CL, non-CBAM	FALSE			FALSE	FALSE	
17	Fuel benchmark sub-installation, CBAM	FALSE			TRUE	TRUE	
18	Process emissions sub-installation, CL, non-CBAM	FALSE			TRUE	FALSE	
19	Process emissions sub-installation, non-CL, non-CBAM	FALSE			FALSE	FALSE	
20	Process emissions sub-installation, CBAM	FALSE			TRUE	TRUE	

3 Other processes not covered by sub-installations

The CNP Regulation requires the system boundaries to cover all relevant emissions of the installation determined in accordance with the Monitoring & Reporting Regulation (EU) 2018/2066. This means that emissions may be relevant that are not eligible for free allocation, e.g. electricity production or non-safety flaring.

Therefore, please provide here a short description of each process not covered by sub-installations and enter the relevant units of production. For example, for electricity production, you may want to enter production expressed as "MWh" of net electricity produced.

Where a process is planned to start operating or to cease operations after the submission of the CNP, please select the relevant period from the drop-down list, respectively. In case no entries are made, it is assumed that the sub-installation is already existing and will remain operational at least until 2050.

The processes identified here will be treated similarly to all other sub-installations above in subsequent sheets concerning measures, investments, milestones, targets and impacts.

No.	Short name or ID	Description of the process	Starting	Cessation?	CL exposed?	CBAM?	Units
21	Elektroenerģijas ražošana	Elektroenerģijas ražošana	<= 2023		N.A.	N.A.	MWh
22					N.A.	N.A.	
23					N.A.	N.A.	

D. HISTORICAL EMISSIONS

I Specific historical emissions

1 Product benchmark sub-installations

Please enter here the specific historical emissions (consistent with the attributed emission pursuant to the FAR rules and the MRR) for each product benchmark sub-installation for each year of the baseline period.

The average of the specific historical emissions during 2019-2023 will be used as the baseline for setting (intermediate) targets in sheets F to H.

The specific emissions shall be calculated by dividing the attributed emissions by the activity level in each year, both based on the corresponding rules of the FAR in consistency with the data entered in the baseline data report used for calculation of free allocation for 2026-2030.

Years in which the sub-installation did not operate should be left empty, including for cases of new sub-installation planned to start operating only after the submission of the CNP. In the case of the later, please provide an estimate of the specific emissions at the future start of operations.

No.	Product type	Unit	2019	2020	2021	2022	2023	Estimate
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

2 Sub-installations with fall-back approaches

Please enter here the specific historical emissions (consistent with the attributed emission pursuant to the FAR rules and the MRR) for each fall-back benchmark sub-installation for each year of the baseline period, taking into consideration the guidance provided for product benchmark sub-installations above.

However, where other units of production levels than the units for the relevant activity level were chosen in section C.I.2 (note, that the default unit for process emissions is tonnes of production), the emissions shall be expressed relative to those relevant (aggregated) production levels. The attributed emissions should however still be calculated in accordance with the corresponding FAR rules, consistent with the data provided in the baseline data report.

No.	Sub-installation type	Unit	2019	2020	2021	2022	2023	Estimate
11	Heat benchmark sub-installation, CL, non-CBAM	t CO2e / TJ						
12	Heat benchmark sub-installation, non-CL, non-CBAM	t CO2e / TJ						
13	Heat benchmark sub-installation, CBAM	t CO2e / TJ						
14	District heating sub-installation	t CO2e / TJ	59 80	59 26	49 50	53 01	51 10	
15	Fuel benchmark sub-installation, CL, non-CBAM	t CO2e / TJ						
16	Fuel benchmark sub-installation, non-CL, non-CBAM	t CO2e / TJ						
17	Fuel benchmark sub-installation, CBAM	t CO2e / TJ						
18	Process emissions sub-installation, CL, non-CBAM	t CO2e / t						
19	Process emissions sub-installation, non-CL, non-CBAM	t CO2e / t						
20	Process emissions sub-installation, CBAM	t CO2e / t						

3 Specific emissions not covered by sub-installations

Please enter here the specific historical emissions (consistent with the attributed emission pursuant to the FAR rules and the MRR) for each process not covered by a benchmarked sub-installation for each year of the baseline period, taking into consideration the guidance provided for product benchmark sub-installations above.

Please ensure that the emissions are specific to the relevant units of production chosen in section C.I.3. The attributed emissions should be calculated in accordance with the corresponding FAR rules, consistent with the data provided in the baseline data report.

No.	Emission source description	Unit	2019	2020	2021	2022	2023	Estimate
21	Elektroenerģijas ražošana	t CO2e / MWh	0.353	0.343	0.330	0.329	0.316	
22								
23								

II Absolute historical emissions (optional)

1 Product benchmark sub-installations absolute emissions

Please enter here the historical absolute emissions, expressed as t CO2e, for each sub-installation for each year of the baseline period. Entries here are optional.

No.	Product type	Unit	2019	2020	2021	2022	2023	Estimate
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								

2 Sub-installations with fall-back approaches absolute emissions

Please enter here the historical absolute emissions, expressed as t CO2e, for each sub-installation for each year of the baseline period. Entries here are optional.

No.	Sub-installation type	Unit	2019	2020	2021	2022	2023	Estimate
11	Heat benchmark sub-installation, CL, non-CBAM	t CO2e						
12	Heat benchmark sub-installation, non-CL, non-CBAM	t CO2e						
13	Heat benchmark sub-installation, CBAM	t CO2e						
14	District heating sub-installation	t CO2e	154 939	159 184	185 817	168 181	170 917	
15	Fuel benchmark sub-installation, CL, non-CBAM	t CO2e						
16	Fuel benchmark sub-installation, non-CL, non-CBAM	t CO2e						
17	Fuel benchmark sub-installation, CBAM	t CO2e						
18	Process emissions sub-installation, CL, non-CBAM	t CO2e						
19	Process emissions sub-installation, non-CL, non-CBAM	t CO2e						
20	Process emissions sub-installation, CBAM	t CO2e						

3 Specific emissions not covered by sub-installations

Please enter here the historical absolute emissions, expressed as t CO2e, for each sub-installation for each year of the baseline period. Entries here are optional.

No.	Emission source description	Unit	2019	2020	2021	2022	2023	Estimate
21	Elektroenerģijas ražošana	t CO2e	742 738	436 787	489 470	319 772	375 368	
22								
23								

E. MEASURES, INVESTMENTS AND MILESTONES

Measures

1 Measure description and reasons

Please list here all relevant planned measures (e.g. electrification of fossil-powered furnaces) until 2050, providing for each measure the following information:

- the period during which the measure is planned to be taken. If a measure has impacts in more than one period, please select the period in which it will be first implemented;
- a short name or internal ID for each measure in order to facilitate making reference to each measure later in this template;
- a detailed description of each measure. It is possible to refer to an attached document file, if the description exceeds the space provided here (then please list the exact file name here and in sheet K_Comments).

Measures should be entered as aggregated as possible. E.g. process optimisations over different periods can be entered as one measure with the period of the first optimisation.

No.	Period	Short name or internal ID	Detailed description
Ex.1	2031-2035	Hydrogen steel	Replacement of BF/BOF with DRI using green hydrogen (further details see separate file 'CNP file docx')
Ex.2	2025-2030	Measures AB 5 to 7	Process optimisations over different periods starting from 2027
ME1	2026-2030		
ME2	2026-2030		
ME3	2026-2030		
ME4	2026-2030		
ME5	2026-2030		
ME6	2031-2035		
ME7	2031-2035		
ME8	2036-2040		
ME9	2036-2040		
ME10			

2 Enabling conditions and qualitative impacts

Please provide for each measure identified under 1) above the following information:

- a detailed description of enabling conditions and infrastructure needs (e.g. CO2 pipeline infrastructure, green hydrogen infrastructure, H2 costs below "x" €/MWh);
- a comprehensive reasoning for measure decision why the measures were chosen rather than other potential measures for decarbonisation;
- a qualitative assessment of the impacts of each measure (e.g. where this installation is the worldwide first to implement a certain decarbonisation technology, it demonstrates the feasibility of wider uptake by other installations). The quantitative assessment will be done later in the template in sheets F to H.

If it is possible to refer to an attached document file, if the description exceeds the space provided here (then please list the exact file name here and in sheet K_Comments).

No.	Detailed description of enabling conditions	Reasons for measure decision	Qualitative impacts
ME1			
ME2			
ME3			
ME4			
ME5			
ME6			
ME7			
ME8			
ME9			
ME10			

3 Categorisation of measures

Please attribute each measure to one or more of the following types of GHG savings or decarbonisation technologies, as applicable:

- switch to low- or zero-emission technologies
- energy efficiency and energy savings
- switch from fossil fuels to:
 - hydrogen
 - electricity

(3) biomass fulfilling the sustainability and greenhouse gas savings criteria referred to in Article 38(5) of Implementing Regulation (EU) 2018/2066

(4) alternative fuels from waste streams

(5) other sources of renewable energy

(iv) resource efficiency, including reduced consumption of materials and recycling

(v) carbon capture utilisation and storage

(vi) other

No.	(i) switch to low- or zero-emission technologies	(ii) energy efficiency and energy savings	(iii) (1) hydrogen	(iii) (2) electricity	(iii) (3) sust. Biomass	(iii) (4) to alternative fuels	(iii) (5) other sources of renewable energy	(iv) resource efficiency, etc.	(v) carbon capture utilisation and storage	(vi) other
ME1	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME2	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME3	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME4	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME5	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME6	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME7	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
ME8	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	FALSE
ME9	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME10										

II Investments

1 Investment

Please list here all investments providing the following information:

- the year in which the investment is planned to be taken (where appropriate, investments may be combined as 5-year averages will be calculated under point 2. below);
- a short name or internal ID for each investment in order to facilitate making reference to each investment later in this template;
- the corresponding investment costs in mio. € (best estimate at the time of preparing the CNP). This value should be expressed as the one-off investment costs, annualising will be done automatically under point 2) below;
- a detailed description of each investment. It is possible to refer to an attached document file, if the description exceeds the space provided here (then please list the exact file name here and in sheet K_Comments).

No.	Year	Short name or internal ID	Costs in M€	Detailed description of investments
Ex. 1	2032	New electric furnaces	152	Purchase and installation of electric furnaces (further details see separate file "CNP file.docx")
IN1	2026			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN2	2027			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN3	2028			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN4	2029			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN5	2026			Pārbbūves, atjaunošanas darbi.
IN6	2033			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN7	2034			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN8	2035			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN9	2036			Piānošana un projektēšana, iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības
IN10				

2 Investments annualised Euros

The annualised Euros per year for each five-year period are automatically calculated based on the inputs under point 1) above.

Period	<= 2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
Annualised ME	N.A.					

III Milestones

Please list here all milestones providing the following information:

- the year in which the milestone is planned to be reached;
- a detailed description of each milestone;
- the relevant measure for each milestone. Please select them from the drop-down list or, where more than one measure is relevant, enter corresponding information in the form of "ME1, ME3", etc.

It is possible to refer to an attached document file, if the description exceeds the space provided here (then please list the exact file name here and in sheet K_Comments).

Milestones shall be commensurate to the targets entered in the following sheets.

No.	Period	Detailed description of the milestones	Measure(s)
Ex. 1	2031-2035	Final investment decision taken (further details see separate file "CNP file.docx")	ME1: New electric furnaces
Ex. 2	2031-2035	Dismantling of old furnaces (further details see separate file "CNP file.docx")	ME1, ME3
	<= 2025	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma.	
MI1			
	2026-2030	Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2026. gadā.	
MI2			
	2026-2030	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2027. gadā.	
MI3			
	2026-2030	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2028. gadā.	
MI4			
	2026-2030	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2029. gadā.	
MI5			

MI6	2026-2030	Darbu veikšana un veikto darbu pieņemšana 2026. gadā	
MI7	2031-2035	Principāls valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Līdzfinansējuma piesaiste; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2033. gadā	
MI8	2031-2035	Principāls valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2031. gadā	
MI9	2036-2040	Principāls valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Līdzfinansējuma piesaiste; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2035. gadā	
MI10	2036-2040	Principāls valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pieņemšana ekspluatācijā un darbības uzsākšana 2036. gadā	
MI11			
MI12			
MI13			
MI14			
MI15			
MI16			
MI17			
MI18			
MI19			
MI20			
MI21			
MI22			
MI23			
MI24			
MI25			
MI26			
MI27			
MI28			
MI29			
MI30			

IV Measures and investments prior to submission of the CNP (optional)

Optionally, you may list and describe all measures and investments already implemented prior to the submission of the climate-neutrality plan.

1	2018. gadā izbūvēta siltuma akumulācijas sistēma ar siltuma kapacitāti 550 MWh, uzlādes / izlādes jaudu 150 MW. 2023. gadā CO2 samazinājums vērtējams vairāk kā 4 tCO2e.
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10	

F. Targets & Impacts ProdBM

I Quantitative impact assessment product BM sub-installations

1 Sub-installation with product benchmark:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.), in which case the total emission reduction displayed under ii. equals the specific reduction under i.
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

	Reference value	2025	2030	2035	2040	2045	2050
i. Specific reduction (target versus baseline)							
ii. Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
iii. Reduction compared to baseline (100% = values under i.)							
iv. Consistency check (= iii. / i.)							
v. Consistency check (error message)							

(d) Any further comments

2 Sub-installation with product benchmark:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

	Reference value	2025	2030	2035	2040	2045	2050
i. Specific reduction (target versus baseline)							

ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

3 Sub-installation with product benchmark:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".

Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%

	Reference value	2025	2030	2035	2040	2045	2050
i. Specific reduction (target versus baseline)							

ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

4 Sub-installation with product benchmark:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							

ii. Relative to relevant BM value								
(c) Split of specific emission reduction by measure and investment								
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.								
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".								
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.								
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.								
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.								
The consistency check under v. will prompt an error message in the following cases:								
- no targets are set before a cessation or targets are set after a cessation; - impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero; - the impacts do not add up to 100%.								
	Reference value	2025	2030	2035	2040	2045	2050	
i. Specific reduction (target versus baseline)								
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations cover	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
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8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d) Any further comments								

5 Sub-installation with product benchmark:								
The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".								
(a) Specific emission targets								
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.								
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets							
ii.	Absolute emission targets							
		t CO2e						
(b) Relative emission targets								
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.								
	Reference value	2025	2030	2035	2040	2045	2050	
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.								
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".								
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.								
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.								
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.								
The consistency check under v. will prompt an error message in the following cases:								
- no targets are set before a cessation or targets are set after a cessation; - impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero; - the impacts do not add up to 100%.								
	Reference value	2025	2030	2035	2040	2045	2050	
i. Specific reduction (target versus baseline)								
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations cover	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
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7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d) Any further comments								

6 Sub-installation with product benchmark:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

	Reference value	2025	2030	2035	2040	2045	2050
i. Specific reduction (target versus baseline)							
ii. Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%
1							
2							
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7							
8							
9							
10							
iii. Reduction compared to baseline (100% = values under i.)							
iv. Consistency check (= iii. / i.)							
v. Consistency check (error message)							

(d) Any further comments**7 Sub-installation with product benchmark:**

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

	Reference value	2025	2030	2035	2040	2045	2050
i. Specific reduction (target versus baseline)							
ii. Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%
1							
2							

3								
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6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

8 Sub-installation with product benchmark:								
<i>The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".</i>								
(a) Specific emission targets								
<i>Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.</i>								
<i>The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.</i>								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets							
ii.	Absolute emission targets	t CO2e						
(b) Relative emission targets								
<i>The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated based on the inputs for the specific emission targets under point (a) above.</i>								
		Reference value	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
<i>Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.</i>								
<i>For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".</i>								
<i>Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.</i>								
<i>Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.</i>								
<i>Following the entries made in sections C I and E I 1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.</i>								
<i>The consistency check under v. will prompt an error message in the following cases:</i>								
- no targets are set before a cessation or targets are set after a cessation; - impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero; - the impacts do not add up to 100%.								
		Reference value	2025	2030	2035	2040	2045	2050
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
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6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

9 Sub-installation with product benchmark:								
<i>The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".</i>								
(a) Specific emission targets								
<i>Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.</i>								
<i>The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.</i>								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets							
ii.	Absolute emission targets	t CO2e						
(b) Relative emission targets								
<i>The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated based on the inputs for the specific emission targets under point (a) above.</i>								
		Reference value	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
<i>Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.</i>								
<i>For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".</i>								
<i>Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.</i>								

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

		Reference value	2025	2030	2035	2040	2045	2050
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

10 Sub-installation with product benchmark:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets							
ii.	Absolute emission targets							

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value						
ii.	Relative to relevant BM value						

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

		Reference value	2025	2030	2035	2040	2045	2050
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

G. Targets & Impacts Fall-backs

I Quantitative impact assessment fall-backs

1 Fall-back sub-installation:		Heat benchmark sub-installation, CL, non-CBAM		not relevant				
The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".								
(a) Specific emission targets								
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.								
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets	t CO2e / TJ						
ii.	Absolute emission targets	t CO2e						
(b) Relative emission targets								
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.								
		Reference value t CO2e / TJ	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.								
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".								
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.								
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.								
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.								
The consistency check under v. will prompt an error message in the following cases:								
- no targets are set before a cessation or targets are set after a cessation; - impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero; - the impacts do not add up to 100%.								
		Reference value t CO2e / TJ	2025 t CO2e / TJ	2030 t CO2e / TJ	2035 t CO2e / TJ	2040 t CO2e / TJ	2045 t CO2e / TJ	2050 t CO2e / TJ
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d) Any further comments								

2 Fall-back sub-installation:		Heat benchmark sub-installation, non-CL, non-CBAM		not relevant				
The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".								
(a) Specific emission targets								
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.								
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets	t CO2e / TJ						
ii.	Absolute emission targets	t CO2e						
(b) Relative emission targets								
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.								
		Reference value t CO2e / TJ	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.								
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".								
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.								
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.								
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.								
The consistency check under v. will prompt an error message in the following cases:								
- no targets are set before a cessation or targets are set after a cessation; - impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero; - the impacts do not add up to 100%.								
		Reference value t CO2e / TJ	2025 t CO2e / TJ	2030 t CO2e / TJ	2035 t CO2e / TJ	2040 t CO2e / TJ	2045 t CO2e / TJ	2050 t CO2e / TJ
i.	Specific reduction (target versus baseline)							

ii. Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
iii. Reduction compared to baseline (100% = values under i.)							
iv. Consistency check (= iii. / i.)							
v. Consistency check (error message)							
(d) Any further comments							

3
Fall-back sub-installation:
Heat benchmark sub-installation, CBAM
not relevant

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets		t CO2e / TJ						
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value t CO2e / TJ	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%

	Reference value t CO2e / TJ	2025 t CO2e / TJ	2030 t CO2e / TJ	2035 t CO2e / TJ	2040 t CO2e / TJ	2045 t CO2e / TJ	2050 t CO2e / TJ
i. Specific reduction (target versus baseline)							

ii. Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
iii. Reduction compared to baseline (100% = values under i.)							
iv. Consistency check (= iii. / i.)							
v. Consistency check (error message)							
(d) Any further comments							

4
Fall-back sub-installation:
District heating sub-installation
relevant

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets	54.534	t CO2e / TJ	54.534	35.500	29.700	12.900	0.000	0.000
ii. Absolute emission targets	167.808	t CO2e						

(b) Relative emission targets
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value t CO2e / TJ	2025	2030	2035	2040	2045	2050
i. Relative to baseline value	54.5340	100%	65%	54%	24%	0%	0%

ii. Relative to relevant BM value		47.3000	115%	75%	63%	27%	0%	0%
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(c) Split of specific emission reduction by measure and investment
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

		Reference value t CO ₂ e / TJ	2025 t CO ₂ e / TJ	2030 t CO ₂ e / TJ	2035 t CO ₂ e / TJ	2040 t CO ₂ e / TJ	2045 t CO ₂ e / TJ	2050 t CO ₂ e / TJ
i. Specific reduction (target versus baseline)		54.5340	0.000	-19.034	-24.834	-41.634	-54.534	-54.534
ii. Measure	Investment	2025	2030	2035	2040	2045	2050	
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%		
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%	
1			38%	20%	12%	11%	11%	
2			47%	25%	15%	14%	14%	
3			1%	1%	0%	0%	0%	
4			14%					
5			1%	0%	0%	0%	0%	
6				19%	21%	29%	29%	
7				35%	21%	29%	29%	
8					31%	18%	18%	
9								
10								
iii. Reduction compared to baseline (100% = values under i.)			-19.053	-24.859	-41.634	-54.534	-54.534	
iv. Consistency check (= iii. / i.)			100%	100%	100%	100%	100%	
v. Consistency check (error message)								

(d) Any further comments

5 Fall-back sub-installation:

Fuel benchmark sub-installation, CL, non-CBAM	not relevant
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The name of the product benchmark sub-installation is displayed automatically based on the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets		t CO ₂ e / TJ						
ii. Absolute emission targets		t CO ₂ e						

(b) Relative emission targets
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value							

(c) Split of specific emission reduction by measure and investment
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

		Reference value t CO ₂ e / TJ	2025 t CO ₂ e / TJ	2030 t CO ₂ e / TJ	2035 t CO ₂ e / TJ	2040 t CO ₂ e / TJ	2045 t CO ₂ e / TJ	2050 t CO ₂ e / TJ
i. Specific reduction (target versus baseline)								
ii. Measure	Investment	2025	2030	2035	2040	2045	2050	
Ex.1 ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%		
Ex.2 ME2: New furnace	IN2: New furnace				70%	80%	100%	
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii. Reduction compared to baseline (100% = values under i.)								
iv. Consistency check (= iii. / i.)								
v. Consistency check (error message)								

(d) Any further comments

3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

8 Fall-back sub-installation:		Process emissions sub-installation, CL, non-CBAM		not relevant				
The name of the product benchmark sub-installation is displayed automatically based on the inputs in sheet "C_InstallationDescription".								
(a) Specific emission targets								
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.								
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets	t CO2e / t						
ii.	Absolute emission targets	t CO2e						
(b) Relative emission targets								
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated based on the inputs for the specific emission targets under point (a) above.								
		Reference value t CO2e / t	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.								
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".								
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.								
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.								
Following the entries made in sections C I and E I 1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.								
The consistency check under v. will prompt an error message in the following cases:								
- no targets are set before a cessation or targets are set after a cessation;								
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;								
- the impacts do not add up to 100%.								
		Reference value t CO2e / t	2025 t CO2e / t	2030 t CO2e / t	2035 t CO2e / t	2040 t CO2e / t	2045 t CO2e / t	2050 t CO2e / t
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

9 Fall-back sub-installation:		Process emissions sub-installation, non-CL, non-CBAM		not relevant				
The name of the product benchmark sub-installation is displayed automatically based on the inputs in sheet "C_InstallationDescription".								
(a) Specific emission targets								
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.								
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.								
	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets	t CO2e / t						
ii.	Absolute emission targets	t CO2e						
(b) Relative emission targets								
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated based on the inputs for the specific emission targets under point (a) above.								
		Reference value t CO2e / t	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value							
ii.	Relative to relevant BM value							
(c) Split of specific emission reduction by measure and investment								
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.								
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".								
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.								

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

		Reference value t CO2e / t	2025 t CO2e / t	2030 t CO2e / t	2035 t CO2e / t	2040 t CO2e / t	2045 t CO2e / t	2050 t CO2e / t
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

10 Fall-back sub-installation:

Process emissions sub-installation, CBAM

not relevant

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i.	Specific emission targets	t CO2e / t						
ii.	Absolute emission targets	t CO2e						

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value t CO2e / t	2025	2030	2035	2040	2045	2050
i.	Relative to baseline value						
ii.	Relative to relevant BM value						

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are greyed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

		Reference value t CO2e / t	2025 t CO2e / t	2030 t CO2e / t	2035 t CO2e / t	2040 t CO2e / t	2045 t CO2e / t	2050 t CO2e / t
i.	Specific reduction (target versus baseline)							
ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d)	Any further comments							

Quantitative impact assessment other processes

Elektroenerģijas ražošana

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C: InstallationDescription".

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under iii. equals the specific reduction under i.

Following the entries made in sections C.I and E.I 1. years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are creved out

The consistency check under γ will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i equals zero;
- the impacts do not add up to 100%

ii. Measure	Investment	2025	2030	2035	2040	2045	2050
-------------	------------	------	------	------	------	------	------

EX-2	INFLA. NEW FORTNAC	INFLA. NEW FORTNAC				75 %	50 %	100 %
1				100%				

3				50%	20%	31%	31%
				65%	20%	31%	31%

4					55 %	55 %	55 %
5							

[illegible][illegible]

iii. Reduction compared to baseline (100% = values under i.)	-0.006	-0.110	-0.334	-0.334	-0.334
--	--------	--------	--------	--------	--------

iv. Consistency check (— III, 7.1.)		100 %	100 %	100 %	100 %	100 %
v. Consistency check (error message)						

(d) Any further comments

(d) Any further comments

--	--

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C. InstallationDescription"

Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.

The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

(b) Relative emission targets

The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

(c) Split of specific emission reduction by measure and investment

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation

For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.

Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.), in which case the total emission reduction displayed under iii. equals the specific reduction under i.

Following the entries made in sections C.1 and E.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are proved out.

The consistency check under γ , will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%.

i. Specific reduction (target versus baseline)

ii.	Measure	Investment	2025	2030	2035	2040	2045	2050
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%	
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%	100%
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
iii.	Reduction compared to baseline (100% = values under i.)							
iv.	Consistency check (= iii. / i.)							
v.	Consistency check (error message)							
(d) Any further comments								

3 Other processes:

The name of the product benchmark sub-installation is displayed automatically based in the inputs in sheet "C_InstallationDescription".

(a) Specific emission targets
Please enter here the intermediate targets, expressed as specific emissions consistent with the historical emissions (baseline), for the end of each five year period. Additionally absolute emission targets can be entered optionally.
The baseline is automatically calculated based on the input of historical emissions in sheet D_HistoricalEmissions.

	Baseline	Unit	2025	2030	2035	2040	2045	2050
i. Specific emission targets								
ii. Absolute emission targets		t CO2e						

(b) Relative emission targets
The reduction of specific emissions relative to the baseline (average historic emissions or estimate in sheet D) and the relevant benchmark value are automatically calculated, based on the inputs for the specific emission targets under point (a) above.

	Reference value	2025	2030	2035	2040	2045	2050
i. Relative to baseline value							
ii. Relative to relevant BM value	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.

(c) Split of specific emission reduction by measure and investment
Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.
For each measure please select from the drop-down list the relevant investments. Where no investment is related to the measure, e.g. only process optimisation, please select "no investments".
Where more than one investment relates to a certain measure, please enter corresponding information in the form of "IN1, IN4", etc.
Subsequently, please provide for each period the percentage to which each measure and investments contributes to the specific emission reduction displayed under i. The sum of all measures should equal 100% (consistency check under iv.) in which case the total emission reduction displayed under ii. equals the specific reduction under i.
Following the entries made in sections C.I and E.I.1, years prior to the period in which the measures are implemented or prior and after the sub-installation is operational are grayed out.

The consistency check under v. will prompt an error message in the following cases:

- no targets are set before a cessation or targets are set after a cessation;
- impacts are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under i. equals zero;
- the impacts do not add up to 100%

	Reference value	2025	2030	2035	2040	2045	2050
i. Specific reduction (target versus baseline)							
ii.							
Ex.1	ME1: Process optimisations over	IN1, IN3		100%	100%	30%	20%
Ex.2	ME2: New furnace	IN2: New furnace				70%	80%
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
iii.	Reduction compared to baseline (100% = values under i.)						
iv.	Consistency check (= iii. / i.)						
v.	Consistency check (error message)						
(d) Any further comments							

8							
9							
10							
11	Heat benchmark sub-installation, CL, non-CBAM						
12	Heat benchmark sub-installation, non-CL, non-CBAM						
13	Heat benchmark sub-installation, CBAM						
14	District heating sub-installation	54.53	100%	65%	54%	24%	0%
15	Fuel benchmark sub-installation, CL, non-CBAM						
16	Fuel benchmark sub-installation, non-CL, non-CBAM						
17	Fuel benchmark sub-installation, CBAM						
18	Process emissions sub-installation, CL, non-CBAM						
19	Process emissions sub-installation, non-CL, non-CBAM						
20	Process emissions sub-installation, CBAM						
21	Elektroenerģijas ražošana	0.334	100%	98%	67%	0%	0%
22							
23							

III Gantt charts for measures, investments & milestones

(a) Measures	<= 2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
(b) Investments	<= 2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
(c) Milestones	<= 2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
1	MI1: Principāls valdes lēmums par investīcijām; Galējais valdes					
2	MI2: Būvatļaujas saņemšana; Iekārtu pasūtīšana un piegāde; Būv					
3	MI3: Principāls valdes lēmums par investīcijām; Galējais valdes					
4	MI4: Principāls valdes lēmums par investīcijām; Galējais valdes					
5	MI5: Principāls valdes lēmums par investīcijām; Galējais valdes					
6	MI6: Darbu veikšana un veikto darbu pieņemšana 2026. gadā					
7	MI7: Principāls valdes lēmums par investīcijām; Galējais valdes					
8	MI8: Principāls valdes lēmums par investīcijām; Galējais valdes					
9	MI9: Principāls valdes lēmums par investīcijām; Galējais valdes					
10	MI10: Principāls valdes lēmums par investīcijām; Galējais valdes					
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27						
28						
29						
30						

IV Details for measures, investments & milestones

(a) Measures			
No.	Period		
ME1	2026-2030		
ME2	2026-2030		
ME3	2026-2030		
ME4	2026-2030		
ME5	2026-2030		
ME6	2031-2035		
ME7	2031-2035		
ME8	2036-2040		
ME9	2036-2040		
ME10			
No.	Detailed description of enabling conditions	Reasons for measure decision	Qualitative impacts
ME1			
ME2			
ME3			
ME4			
ME5			
ME6			
ME7			
ME8			
ME9			
ME10			

No.	(i) switch to low- or zero-emission technologies	(ii) energy efficiency and energy savings	(iii) (1) hydrogen	(iii) (2) electricity	(iii) (3) sust. Biomass	(iii) (4) to alternative fuels	(iii) (5) other sources of renewable energy	(iv) resource efficiency, etc.	(v) carbon capture utilisation and storage	(vi) other
ME1	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME2	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME3	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME4	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME5	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME6	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME7	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE
ME8	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	TRUE	FALSE
ME9	FALSE	FALSE	TRUE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE	FALSE
ME10										

(b) Investments

No.	Year	Short name or internal ID	Costs in M€	Detailed description of investments					
IN1	2026			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN2	2027			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN3	2028			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN4	2029			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN5	2026			Pārbaudes, atjaunošanas darbi.					
IN6	2033			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN7	2031			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN8	2035			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN9	2036			Plānošana un projektēšana. Iekārtu pasūtīšana, piegāde un uzstādīšana, saistītie būvniecības darbi.					
IN10									
Period				<= 2025	2026-2030	2031-2035	2036-2040	2041-2045	2046-2050
Annualised M€				N.A.					

(c) Milestones

No.	Period	Detailed description of the milestones	Measure(s)
MI1	<= 2025	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma.	
MI2	2026-2030	Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI3	2026-2030	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI4	2026-2030	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI5	2026-2030	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI6	2026-2030	Darbu veikšana un veikto darbu pabeigšana 2026. gadā	
MI7	2031-2035	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Līdzfinansējuma piesaiste; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI8	2031-2035	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI9	2036-2040	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Līdzfinansējuma piesaiste; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI10	2036-2040	Principālais valdes lēmums par investīcijām; Galējais valdes lēmums pēc iepirkuma; Būvniecības sākums; Iekārtu pasūtīšana un piegāde; Būvdarbu uzsākšana, iekārtu uzstādīšana; Pienākšana ekspluatācijā.	
MI11			
MI12			
MI13			
MI14			
MI15			
MI16			
MI17			
MI18			
MI19			
MI20			
MI21			
MI22			
MI23			
MI24			
MI25			
MI26			
MI27			
MI28			
MI29			
MI30			

V Sub-installation data

1 Sub-installation with product benchmark:

	Reference value	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							

10							
	TOTAL						

2 Sub-installation with product benchmark:

		Reference value						
			2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value						
			2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							

3 Sub-installation with product benchmark:

		Reference value						
			2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value						
			2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							

4 Sub-installation with product benchmark:

		Reference value						
			2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value						
			2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)								
Measure	Investments		2025	2030	2035	2040	2045	2050
1								
2								

3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

5 Sub-installation with product benchmark:

	Reference value	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

6 Sub-installation with product benchmark:

	Reference value	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							

10							
	TOTAL						

7 Sub-installation with product benchmark:

		Reference value						
			2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value						
			2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							

8 Sub-installation with product benchmark:

		Reference value						
			2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value						
			2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)								
	Measure	Investments	2025	2030	2035	2040	2045	2050
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
	TOTAL							

9 Sub-installation with product benchmark:

		Reference value						
			2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value						
			2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)								
Measure	Investments		2025	2030	2035	2040	2045	2050
1								
2								

3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

10 Sub-installation with product benchmark:

		Reference value	2025	2030	2035	2040	2045	2050
i.	Targets relative to baseline value							
ii.	Targets relative to relevant BM value							
		Reference value	2025	2030	2035	2040	2045	2050
iii.	Absolute specific reduction versus baseline							

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

11 Fall-back sub-installation:

III-back sub-installation:		Heat benchmark sub-installation, CL, non-CBAM				not relevant	
	Reference value	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value	t CO2e / TJ						
ii. Targets relative to relevant BM value							
	Reference value	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline	t CO2e / TJ						

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							

10							
	TOTAL						

12 Fall-back sub-installation:

		Heat benchmark sub-installation, non-CL, non-CBAM				not relevant	
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

13 Fall-back sub-installation:

		Heat benchmark sub-installation, CBAM				not relevant	
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

14 Fall-back sub-installation:

		District heating sub-installation				relevant	
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value	54.534	100%	65%	54%	24%	0%	0%
ii. Targets relative to relevant BM value	47.3	115%	75%	63%	27%	0%	0%
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline	54.534	0.0	-19.034	-24.834	-41.634	-54.534	-54.534
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1			38%	20%	12%	11%	11%
2			47%	25%	15%	14%	14%

3		0%	1%	1%	0%	0%	0%
4		0%	14%	0%	0%	0%	0%
5		0%	1%	0%	0%	0%	0%
6		0%	19%	19%	21%	29%	29%
7		0%	0%	35%	21%	29%	29%
8		0%	0%	0%	31%	18%	18%
9		0%	0%	0%	0%	0%	0%
10							
TOTAL		0%	100%	100%	100%	100%	100%

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1		0%	-13%	-9%	-9%	-11%	-11%
2		0%	-16%	-12%	-12%	-14%	-14%
3		0%	0%	0%	0%	0%	0%
4		0%	-5%	0%	0%	0%	0%
5		0%	0%	0%	0%	0%	0%
6		0%	0%	-9%	-16%	-29%	-29%
7		0%	0%	-16%	-16%	-29%	-29%
8		0%	0%	0%	-24%	-18%	-18%
9		0%	0%	0%	0%	0%	0%
10							
TOTAL		0%	-35%	-46%	-76%	-100%	-100%

15 Fall-back sub-installation:

		Fuel benchmark sub-installation, CL, non-CBAM				not relevant	
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

16 Fall-back sub-installation:

		Fuel benchmark sub-installation, non-CL, non-CBAM				not relevant	
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							

10							
		TOTAL					

17 Fall-back sub-installation:

		Fuel benchmark sub-installation, CBAM				not relevant	
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / TJ	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
	TOTAL						
v. Impact share of each measure (100% = reference value during baseline, point i.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
	TOTAL						

18 Fall-back sub-installation:

		Process emissions sub-installation, CL, non-CBAM				not relevant	
	Reference value t CO ₂ e / t	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / t	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
	TOTAL						
v. Impact share of each measure (100% = reference value during baseline, point i.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
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6							
7							
8							
9							
10							
	TOTAL						

19 Fall-back sub-installation:

		Process emissions sub-installation, non-CL, non-CBAM				not relevant	
	Reference value t CO ₂ e / t	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / t	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							

3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

20 Fall-back sub-installation:

		Process emissions sub-installation, CBAM				not relevant	
	Reference value t CO ₂ e / t	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value							
	Reference value t CO ₂ e / t	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
		TOTAL					

21 Other processes:

		Elektroenerģijas ražošana				relevant	
	Reference value t CO ₂ e / MWh	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value	0.334	100%	98%	67%	0%	0%	0%
ii. Targets relative to relevant BM value	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	Reference value t CO ₂ e / MWh	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline	0.334	0.0	-0.006	-0.11	-0.334	-0.334	-0.334

iv. Impact share of each measure (100% = value under point iii.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1		0%	100%				
2		0%	0%	36%	20%	31%	31%
3		0%	0%	65%	20%	31%	31%
4		0%	0%	0%	60%	38%	38%
5		0%	0%	0%	0%	0%	0%
6							
7							
8							
9							
10							
		TOTAL	0%	100%	100%	100%	100%

v. Impact share of each measure (100% = reference value during baseline, point i.)

Measure	Investments	2025	2030	2035	2040	2045	2050
1		0%	-2%	0%	0%	0%	0%
2		0%	0%	-12%	-20%	-31%	-31%
3		0%	0%	-21%	-20%	-31%	-31%
4		0%	0%	0%	-60%	-38%	-38%
5		0%	0%	0%	0%	0%	0%
6							
7							
8							
9							

10								
		TOTAL	0%	-2%	-33%	100%	100%	100%

22 Other processes:

						not relevant	
	Reference value	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	Reference value	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

23 Other processes:

						not relevant	
	Reference value	2025	2030	2035	2040	2045	2050
i. Targets relative to baseline value							
ii. Targets relative to relevant BM value	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
	Reference value	2025	2030	2035	2040	2045	2050
iii. Absolute specific reduction versus baseline							
iv. Impact share of each measure (100% = value under point iii.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							
v. Impact share of each measure (100% = reference value during baseline, point i.)							
Measure	Investments	2025	2030	2035	2040	2045	2050
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
TOTAL							

I. MS specific	Navigation area:		Table of contents					

I. ADDITIONAL DATA REQUIREMENTS BY THE MEMBER STATE

I To be defined by the Member State