

CLIMATE NEUTRALITY PLAN

CONTENTS

- [GUIDELINES AND CONDITIONS](#)
- A. [CLIMATE NEUTRALITY PLAN VERSIONS](#)
- B. [INSTALLATION DATA](#)
- 1 [Consent to use the data contained in this file](#)
- 2 [Identification of the Installation\(s\)](#)
- 3 [Contact details](#)
- C. [INSTALLATION DESCRIPTION](#)
- 1 [Product benchmark sub-installations](#)
- 2 [Sub-installations with fall-back approaches](#)
- 3 [Other processes not covered by sub-installations](#)
- D. [HISTORICAL EMISSIONS](#)
- 1 [Specific historical emissions](#)
- 2 [Absolute historical emissions \(optional\)](#)
- E. [MEASURES, INVESTMENTS AND MILESTONES](#)
- 1 [Measures](#)
- 2 [Investments](#)
- 3 [Milestones](#)
- 4 [Measures and investments prior to submission of the CNP \(optional\)](#)
- F. [Targets & Impacts ProdBm](#)
- G. [Targets & Impacts Fall-backs](#)
- H. [Targets & Impacts other processes](#)
- I. [SUMMARY](#)
- 1 [General information about the CNP](#)
- 2 [Historical emissions](#)
- 3 [Specific targets relative to the relevant benchmark and to the baseline value](#)
- 4 [Gantt charts for measures, investments & milestones](#)
- 5 [Details for measures, investments & milestones](#)
- 6 [Details: Product BM](#)
- 7 [Details: Fall-back BM](#)
- 8 [Details: Other processes](#)
- J. [ADDITIONAL DATA REQUIREMENTS BY THE MEMBER STATE](#)
- K. [COMMENTS AND FURTHER INFORMATION](#)

|                     |                                |
|---------------------|--------------------------------|
| Language version:   | English                        |
| Reference filename: | CNP Template_COM_en_210224.xls |

|                                 |                                                            |
|---------------------------------|------------------------------------------------------------|
| Information about this file:    |                                                            |
| Installation name:              | CaO Hellas Θεσσαλική Ασβεστοποιία ABEE (Εγκατάσταση Βόλου) |
| 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](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\\_impl/2023/2441/oj](https://eur-lex.europa.eu/eli/reg_impl/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 text describing the input required.  
*Smaller italic text:* 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:

EU ETS general:

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

[https://climate.ec.europa.eu/eu-action/eu-emissions-trading-system-eu-ets\\_en](https://climate.ec.europa.eu/eu-action/eu-emissions-trading-system-eu-ets_en)

Other Websites:

<to be provided by Member State>

Helpdesk:

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

<to be provided by Member State, if relevant>

Further guidance as provided by the Member State:

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 3/41

## I 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.*

[illegible]

## 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

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

CaO Hellas Θεσσαλική Ασβεστοποιία ABEE (εγκατάσταση Βόλου)

(b) Member State

Greece

(c) Emissions trading permit number

member state/CA prefix ΥΠΕΝ/ΔΚΑΠ/110249/2051/16.1

(d) Competent Authority

ΥΠΕΝ / Τμήμα Μηχανισμών Αγοράς και Μητρώου Εκπομπών

(e) Is the climate neutrality plan submitted by a district heating company at company level?

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:

CaO Hellas Θεσσαλική Ασβεστοποιία ABEE (Εγκατάσταση Βόλου)

ii. Registry ID of the installation (as in NIMs):

EL-existing-GR79-7-11

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

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:

Β' ΒΙΠΕ ΒΟΛΟΥ

ii. Address Line 2:

iii. City:

ΒΟΛΟΣ

iv. State/Province/Region:

v. Postcode/ZIP:

37500

vi. Country:

Greece

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/Province/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:

Mr

First Name:

Konstantinos

Surname:

Ampas

Job title:

CEO

Organisation name (if different from the operator):

Telephone number:

2310688380

Email address:

info@caohellas.gr

(b) Primary contact:

Title:

Mr

First Name:

Georgios

Surname:

Dimitriadis

Job title:

Technical Director

Organisation name (if different from the operator):

Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw      Σελίδα: 5/41

Telephone number:  
Email address:

|                         |
|-------------------------|
| 2310688380              |
| dimitriadisge@gmail.com |

## Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο [docs.gov.gr/validate](https://docs.gov.gr/validate)



Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 6/41

C. INSTALLATION DESCRIPTION

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   | Lime         | <= 2023  | None       | TRUE        | FALSE | tonnes |
| 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                    | FALSE     |          |            | FALSE       | FALSE |      |
| 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  |                  |                            |          |            | N.A.        | N.A.  |       |
| 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   | Lime         | t CO <sub>2</sub> e / t | 1.0381 | 1.0619 | 1.0426 | 0.9363 | 1.0642 |          |
| 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 CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 12  | Heat benchmark sub-installation, non-CL, non-CBAM    | t CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 13  | Heat benchmark sub-installation, CBAM                | t CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 14  | District heating sub-installation                    | t CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 15  | Fuel benchmark sub-installation, CL, non-CBAM        | t CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 16  | Fuel benchmark sub-installation, non-CL, non-CBAM    | t CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 17  | Fuel benchmark sub-installation, CBAM                | t CO <sub>2</sub> e / TJ |      |      |      |      |      |          |
| 18  | Process emissions sub-installation, CL, non-CBAM     | t CO <sub>2</sub> e / t  |      |      |      |      |      |          |
| 19  | Process emissions sub-installation, non-CL, non-CBAM | t CO <sub>2</sub> e / t  |      |      |      |      |      |          |
| 20  | Process emissions sub-installation, CBAM             | t CO <sub>2</sub> e / 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  |                             |      |      |      |      |      |      |          |
| 22  |                             |      |      |      |      |      |      |          |
| 23  |                             |      |      |      |      |      |      |          |

II Absolute historical emissions (optional)

1 Product benchmark sub-installations absolute emissions

Please enter here the historical absolute emissions, expressed as t CO<sub>2</sub>e, 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   | Lime         | t CO <sub>2</sub> e | 58.126 | 60.979 | 63.295 | 47.192 | 60.994 |          |
| 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 CO<sub>2</sub>e, 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 CO <sub>2</sub> e |      |      |      |      |      |          |
| 12  | Heat benchmark sub-installation, non-CL, non-CBAM    | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 13  | Heat benchmark sub-installation, CBAM                | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 14  | District heating sub-installation                    | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 15  | Fuel benchmark sub-installation, CL, non-CBAM        | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 16  | Fuel benchmark sub-installation, non-CL, non-CBAM    | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 17  | Fuel benchmark sub-installation, CBAM                | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 18  | Process emissions sub-installation, CL, non-CBAM     | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 19  | Process emissions sub-installation, non-CL, non-CBAM | t CO <sub>2</sub> e |      |      |      |      |      |          |
| 20  | Process emissions sub-installation, CBAM             | t CO <sub>2</sub> e |      |      |      |      |      |          |

3 Specific emissions not covered by sub-installations

Please enter here the historical absolute emissions, expressed as t CO<sub>2</sub>e, 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  |                             |      |      |      |      |      |      |          |
| 22  |                             |      |      |      |      |      |      |          |
| 23  |                             |      |      |      |      |      |      |          |

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 8/41

E. MEASURES, INVESTMENTS AND MILESTONES

I 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  | <= 2025   | CCU PILOT TEST                | HORIZON project of CCU with amines and rotating packed beds (RPBs)                                      |
| ME2  | 2026-2030 | Natural gas as fuel           | Replacement of petroleum coke with natural gas                                                          |
| ME3  | 2026-2030 | Sustainable biomass as a fuel | Replacement 10 % of natural gas with sustainable biomass. Combustion fuel mix- biomass/natural gas      |
| ME4  | 2026-2030 | CCU                           | Carbon Capture and utilisation as a mineral product - precipitated calcium carbonate by recarbonation   |
| ME5  | 2026-2030 | CCU                           | Upgrade of CCU as a mineral product - PCC precipitated calcium carbonate by recarbonation               |
| ME6  | 2031-2035 | CCS                           | Carbon Capture and storage by amine technology based on rotating packed beds- transport to carbon sink  |
| ME7  | 2036-2040 | CCS                           | Upgrade of Carbon Capture and storage by amine technology based on rotating packed beds- transport to   |
| ME8  |           |                               |                                                                                                         |
| ME9  |           |                               |                                                                                                         |
| 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.

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  | Pilot test CCU by amines and RPBs                              | testing European Funded technology - | Feasibility study of a prototype         |
| ME2  | upgraded burners                                               | reducing combustion emissions        | common practice                          |
| ME3  | burners                                                        | reducing combustion emissions        | common practice                          |
| ME4  | recarbonation pilot reactor with milk of lime and auxiliary    | Carbon capture and utilisation       | Commercial product from CCU - PCC_Pilot  |
| ME5  | Upgraded recarbonation reactor with milk of lime and auxiliary | Carbon capture and utilisation       | Upgraded Commercial product from CCU -   |
| ME6  | Amine absorption technology with rotating packed beds phase 1  | Carbon capture and storage           | Carbon capture, storage and transport to |
| ME7  | Amine absorption technology with rotating packed beds phase 2  | Carbon capture and storage           |                                          |
| 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:

- (i) switch to low- or zero-emission technologies
- (ii) energy efficiency and energy savings
- (iii) switch from fossil fuels to:
  - (1) hydrogen
  - (2) 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              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME2  | FALSE                                            | TRUE                                      | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | TRUE                           | FALSE                                      | FALSE      |
| ME3  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | TRUE                    | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME4  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME5  | FALSE                                            | TRUE                                      | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME6  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME7  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME8  |                                                  |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |
| ME9  |                                                  |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |
| 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  | <= 2025 | Pilot carbon capture      | 1           | 6 months trial of CO2 capture by amine technology with rotating packed beds                        |
| IN2  | 2026    | PCC production 10 t/day   | 2           | Installation of recarbonation of milk of lime (hydrated lime) with CO2 captured for PCC production |
| IN3  | 2026    | Biomass burning           | 0           | Equipment for biomass preparation and injection                                                    |
| IN4  | 2028    | PCC production upgrade    | 1           | Installation of recarbonation of milk of lime (hydrated lime) with CO2 captured for PCC production |
| IN5  | 2032    | CCS with amines           | 2           | installation of amine technology introduced by IN1 results                                         |
| IN6  | 2037    | CCS with amines           | 2           | upgrade of amine technology phase 2                                                                |
| IN7  |         |                           |             |                                                                                                    |
| IN8  |         |                           |             |                                                                                                    |
| IN9  |         |                           |             |                                                                                                    |
| IN10 |         |                           |             |                                                                                                    |

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

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 M€ | N.A.    | 0,56      | 0,40      | 0,40      | 0,00      | 0,00      |

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                      |
| MI1  | <= 2025   | HORIZON project 6 months test CCU                                                   | ME1: CCU PILOT TEST           |
| MI2  | <= 2025   | Natural gas instead of petroleum coke                                               | ME2: Natural gas as fuel      |
| MI3  | 2026-2030 | 2026 use biomass or alternative fuels by 10 %                                       | ME3: Sustainable biomass as a |
| MI4  | 2026-2030 | Introduction of pilot PCC unit                                                      | ME4: CCU                      |
| MI5  | 2026-2030 | Upgrade of PCC                                                                      | ME5: CCU                      |
| MI6  | 2031-2035 | Introduction of technology CCS with amines and RPBs                                 | ME6: CCS                      |
| MI7  | 2036-2040 | upgrade of CCS with aminew and RPBs                                                 | ME7: CCS                      |
| MI8  |           |                                                                                     |                               |
| MI9  |           |                                                                                     |                               |
| MI10 |           |                                                                                     |                               |
| 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  |  |
| 2  |  |
| 3  |  |
| 4  |  |
| 5  |  |
| 6  |  |
| 7  |  |
| 8  |  |
| 9  |  |
| 10 |  |

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 10/41

F. Targets & Impacts ProdBM

Quantitative impact assessment product BM sub-installations

1 Sub-installation with product benchmark:

Lime

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

(a) Specific emission targets

Please select from the drop-down list each measure that has an impact on the targets specified above for this sub-installation.  
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  | 1,029    | t CO2e / t | 1,025 | 0,890 | 0,600 | 0,500 | 0,400 | 0,250 |
| ii. Absolute emission targets | 58,117   | 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     | t CO2e / t      | 1,0286 | 100% | 87%  | 58%  | 49%  | 39%  | 24% |
| ii. Relative to relevant BM value |                 | 0,7250 | 141% | 123% | 83%  | 69%  | 55%  | 34% |

(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 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)               | t CO2e / t                   | 1,0286 | -0,004 | -0,139 | -0,429 | -0,529 | -0,629 | -0,779 |
| ii. Measure                                                  | Investment                   | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   |        |
| Ex1 ME1: Process optimisations over                          | IN1, IN3                     |        | 100%   | 100%   | 30%    | 20%    |        |        |
| Ex2 ME2: New furnace                                         | IN2: New furnace             |        |        |        | 70%    | 80%    | 100%   |        |
| ME1: CCU PILOT TEST                                          | IN1: Pilot carbon capture    | 100%   |        |        |        |        |        |        |
| ME2: Natural gas as fuel                                     | no investments               |        | 67%    | 30%    | 18%    | 12%    | 9%     |        |
| ME3: Sustainable biomass as a                                | IN3: Biomass burning         |        | 8%     | 5%     |        |        |        |        |
| ME4: CCU                                                     | IN2: PCC production 10 t/day |        | 13%    | 7%     | 4%     | 3%     | 2%     |        |
| ME5: CCU                                                     | IN4: PCC production upgrade  |        | 13%    | 7%     | 4%     | 3%     | 2%     |        |
| ME6: CCS                                                     | IN5: CCS with amines         |        |        | 51%    | 74%    | 82%    | 87%    |        |
|                                                              |                              |        |        |        |        |        |        |        |
|                                                              |                              |        |        |        |        |        |        |        |
|                                                              |                              |        |        |        |        |        |        |        |
|                                                              |                              |        |        |        |        |        |        |        |
|                                                              |                              |        |        |        |        |        |        |        |
| iii. Reduction compared to baseline (100% = values under i.) |                              | -0,004 | -0,139 | -0,429 | -0,529 | -0,629 | -0,779 |        |
| iv. Consistency check (= iii. / i.)                          |                              | 100%   | 100%   | 100%   | 100%   | 100%   | 100%   |        |
| v. Consistency check (error message)                         |                              |        |        |        |        |        |        |        |

2 Sub-installation with product benchmark:

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

(a) Specific emission targets

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

Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw Σελίδα: 11/41





calculated based on the inputs in sheet "C: InstallationDescription"

\_\_\_\_\_

is consistent with the historical emissions (baseline) to the end of each five year period. Additionally, absolute

missions in street D. HistoricalEmissions

| 2026 | 2030 | 2035 | 2040 | 2045 | 2050 |
|------|------|------|------|------|------|
|      |      |      |      |      |      |
|      |      |      |      |      |      |
|      |      |      |      |      |      |

\_\_\_\_\_

CO<sub>2</sub> emissions or estimate in sheet (C) and the relevant benchmark value are automatically calculated, based on

|      |      |      |      |      |      |
|------|------|------|------|------|------|
|      |      |      |      |      |      |
| 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|      |      |      |      |      |      |
|      |      |      |      |      |      |

ment

the targets specified above for this sub-installation.

products. Where no investment is related to the measure, e.g. only process optimisation, please select 'no' and please enter corresponding information in the form of 'Other'.

a measure and investment contributes to the specific emission reduction displayed under  $i$ . The sum of all the total emission reduction displayed under  $i$ , covers the specific reduction under  $i$ .

and in which the measures are implemented or prior and after the sub-installation is operational are crossed out

20 CASES

g. Cases:  
 None reported.

After a cessation,

targets set or the targets are equal to the baseline, i.e. reduction under  $i$  equals zero:

|  | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|--|------|------|------|------|------|------|
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |
|  |      |      |      |      |      |      |

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|  |  |  |  |  |  |

[illegible]

\_\_\_\_\_

cell based on the inputs in sheet 3? Is this a good model?

\_\_\_\_\_

be consistent with the historical emissions baseline, to the end of each five year period. Additionally, decline

[machine in sheet](#) [HistoricalBibliography](#)[illegible]

CO<sub>2</sub> emissions or estimate in sheet (2) and the relevant benchmark value are automatically calculated based on

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|------|------|------|------|------|------|

ment

the targets specified above for this sub-installation

events. Where no investment is related to the measure, e.g. only process optimisation, please refer to the last row of the table. Only investments in the form of R&D, IPRT and

a measure and investments contribute to the specific emission reduction envisaged under i. The sum of all

Downloaded from <http://ajph.org/> on November 10, 2015

\_\_\_\_\_

ing cases:

for a cessation.

targets set or the targets are equal to the baseline, i.e. reduction under  $i$  equals zero;

|  |      |      |      |      |      |      |
|--|------|------|------|------|------|------|
|  | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|--|------|------|------|------|------|------|

|  |  |  |  |  |  |
|--|--|--|--|--|--|
|  |  |  |  |  |  |
|--|--|--|--|--|--|

|      |      |      |      |      |      |
|------|------|------|------|------|------|
| 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|------|------|------|------|------|------|





#### Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο [docs.gov.gr/validate](https://docs.gov.gr/validate)



**Κωδικός εγγράφου:** ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 17/41

## I Quantitative impact assessment fall-backs

[illegible]



|                                                                                                                                                                                                                                                                                                                                                                          | Reference value<br>tCO <sub>2</sub> e / TJ | 2025                            | 2030                            | 2035                            | 2040                            | 2045                            | 2050                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|
| a) Relative to baseline value                                                                                                                                                                                                                                                                                                                                            |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| b) Relative to relevant BNE value                                                                                                                                                                                                                                                                                                                                        |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| c) Split of specific emission reduction by measure and investment                                                                                                                                                                                                                                                                                                        |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| Please start from the day after last year, i.e., first day of January or the date specified above for the sub-investigation.                                                                                                                                                                                                                                             |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| For each measure please select from the drop-down list the relevant measurement. Where no investment is related to the measure, e.g. long process optimisation, please select "no investments". Where more than one treatment relates to a certain measure, please add corresponding information in the form of "n1", "n2", etc.                                         |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| Subsequently, please provide for every period the percentage in which each measure and investment contributes to the specific emission reduction requested under c). The sum of all measures should equal 100% (consistency check under d) to which also the total emissions reduction requested under b) equals the specific reference value).                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| Following the entries made in sections c) and d), please enter in the periods in which the measures are implemented as y/n/y and after the sub-investigation is completed you grouped into:                                                                                                                                                                              |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| The consistency check under c) will generate an error message in the following cases:<br>- No length was set before a calculation of impact was performed a correction.<br>- Impact is too extensive for years where there are other no impacts set or the targets are equal to the baseline (i.e. resulting under c) would zero,<br>- The impacts do not add up to 100% |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          | Reference value<br>tCO <sub>2</sub> e / TJ | 2025<br>tCO <sub>2</sub> e / TJ | 2030<br>tCO <sub>2</sub> e / TJ | 2035<br>tCO <sub>2</sub> e / TJ | 2040<br>tCO <sub>2</sub> e / TJ | 2045<br>tCO <sub>2</sub> e / TJ | 2050<br>tCO <sub>2</sub> e / TJ |
| d) Specific reduction (target versus baseline)                                                                                                                                                                                                                                                                                                                           |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| i) Measure                                                                                                                                                                                                                                                                                                                                                               | Investment                                 | 2025                            | 2030                            | 2035                            | 2040                            | 2045                            | 2050                            |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
|                                                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| j) Reduction compared to baseline (100% = values under i)                                                                                                                                                                                                                                                                                                                |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| k) Consistency check (= ii - j)                                                                                                                                                                                                                                                                                                                                          |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| l) Consistency check (error message)                                                                                                                                                                                                                                                                                                                                     |                                            |                                 |                                 |                                 |                                 |                                 |                                 |
| m) Any further comments                                                                                                                                                                                                                                                                                                                                                  |                                            |                                 |                                 |                                 |                                 |                                 |                                 |

|  |
|--|
|  |
|--|

|                                                                                                                                                                                                                                                                                                                                                |                                                         |                                                   |              |             |             |             |             |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|---------------------------------------------------|--------------|-------------|-------------|-------------|-------------|------|
| 6                                                                                                                                                                                                                                                                                                                                              | Fail-back sub-installation                              | Fuel benchmark sub-installation, non-CL, non-CBAM | not relevant |             |             |             |             |      |
| The name of the project benchmark sub-installation is changed automatically based on the input in sheet 10, Installation description                                                                                                                                                                                                           |                                                         |                                                   |              |             |             |             |             |      |
| (a) Specific emission targets                                                                                                                                                                                                                                                                                                                  |                                                         |                                                   |              |             |             |             |             |      |
| Please enter only the intermediate targets, expressed as specific emissions, consistent with the technical emissions baselines, by 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 10, Historical Emissions                                                                                                                                                                                                                          |                                                         |                                                   |              |             |             |             |             |      |
|                                                                                                                                                                                                                                                                                                                                                | 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 10) and the relevant benchmark value are automatically calculated based on the inputs for the specific emission targets under column 10.                                                                                         |                                                         |                                                   |              |             |             |             |             |      |
|                                                                                                                                                                                                                                                                                                                                                | Reference value                                         | t CO2e / Tj                                       | 2025         | 2030        | 2035        | 2040        | 2045        | 2050 |
| Relative to baseline value                                                                                                                                                                                                                                                                                                                     |                                                         |                                                   |              |             |             |             |             |      |
| Relative to relevant BM value                                                                                                                                                                                                                                                                                                                  |                                                         |                                                   |              |             |             |             |             |      |
| (c) Split of specific emission reduction by measure and investment                                                                                                                                                                                                                                                                             |                                                         |                                                   |              |             |             |             |             |      |
| Please select from the drop-down list those measures that have an impact on the output specified above for this sub-installation.                                                                                                                                                                                                              |                                                         |                                                   |              |             |             |             |             |      |
| For each measure please select from the drop-down list the relevant investment. Where no investment is related to the measure, e.g. with process optimisation, please select "No investment". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "100" and "0".                |                                                         |                                                   |              |             |             |             |             |      |
| Consistently, please provide for each period the percentage in which each measure and investment contributes to the specific emission reduction (required under). The sum of all measures should equal 100% (consistency check under ii). In which case the data emission reduction (required under ii) equals the specific reduction under i. |                                                         |                                                   |              |             |             |             |             |      |
| Following the entries made in sections C.7 and C.1.1, select only in the period in which the measures are implemented or prior and after the sub-installation is operational are entered out.                                                                                                                                                  |                                                         |                                                   |              |             |             |             |             |      |
| The consistency check under ii will prompt an error message in the following cases:                                                                                                                                                                                                                                                            |                                                         |                                                   |              |             |             |             |             |      |
| - No targets are set before a reduction or targets are not after a reduction                                                                                                                                                                                                                                                                   |                                                         |                                                   |              |             |             |             |             |      |
| - Targets are entered for years where there are either no targets set or the targets are equal to the previous, i.e. reduction under ii equals zero                                                                                                                                                                                            |                                                         |                                                   |              |             |             |             |             |      |
| - The targets do not add up to 100%                                                                                                                                                                                                                                                                                                            |                                                         |                                                   |              |             |             |             |             |      |
|                                                                                                                                                                                                                                                                                                                                                | Reference value                                         | 2025                                              | 2030         | 2035        | 2040        | 2045        | 2050        |      |
|                                                                                                                                                                                                                                                                                                                                                | t CO2e / Tj                                             | t CO2e / Tj                                       | t CO2e / Tj  | t CO2e / Tj | t CO2e / Tj | t CO2e / Tj | t CO2e / Tj |      |
| Specific reduction (target versus baseline)                                                                                                                                                                                                                                                                                                    |                                                         |                                                   |              |             |             |             |             |      |
| i                                                                                                                                                                                                                                                                                                                                              | Measure                                                 | Investment                                        | 2025         | 2030        | 2035        | 2040        | 2045        | 2050 |
| ii                                                                                                                                                                                                                                                                                                                                             | Reduction compared to baseline (100% = values under i.) |                                                   |              |             |             |             |             |      |
| iii                                                                                                                                                                                                                                                                                                                                            | Consistency check (= W / Tj)                            |                                                   |              |             |             |             |             |      |
| iv                                                                                                                                                                                                                                                                                                                                             | Consistency check (error message)                       |                                                   |              |             |             |             |             |      |
| (d) Any further comments                                                                                                                                                                                                                                                                                                                       |                                                         |                                                   |              |             |             |             |             |      |

|                                                                                                                                                                                                                                                                                                                                                |                            |                                       |              |             |             |             |             |      |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|--------------|-------------|-------------|-------------|-------------|------|
| 7                                                                                                                                                                                                                                                                                                                                              | Fail-back sub-installation | Fuel benchmark sub-installation, CBAM | not relevant |             |             |             |             |      |
| The name of the project benchmark sub-installation is changed automatically based on the input in sheet 10, Installation description                                                                                                                                                                                                           |                            |                                       |              |             |             |             |             |      |
| (a) Specific emission targets                                                                                                                                                                                                                                                                                                                  |                            |                                       |              |             |             |             |             |      |
| Please enter only the intermediate targets, expressed as specific emissions, consistent with the technical emissions baselines, by 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 10, Historical Emissions                                                                                                                                                                                                                          |                            |                                       |              |             |             |             |             |      |
|                                                                                                                                                                                                                                                                                                                                                | 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 10) and the relevant benchmark value are automatically calculated based on the inputs for the specific emission targets under column 10.                                                                                         |                            |                                       |              |             |             |             |             |      |
|                                                                                                                                                                                                                                                                                                                                                | Reference value            | t CO2e / Tj                           | 2025         | 2030        | 2035        | 2040        | 2045        | 2050 |
| Relative to baseline value                                                                                                                                                                                                                                                                                                                     |                            |                                       |              |             |             |             |             |      |
| Relative to relevant BM value                                                                                                                                                                                                                                                                                                                  |                            |                                       |              |             |             |             |             |      |
| (c) Split of specific emission reduction by measure and investment                                                                                                                                                                                                                                                                             |                            |                                       |              |             |             |             |             |      |
| Please select from the drop-down list those measures that have an impact on the output specified above for this sub-installation.                                                                                                                                                                                                              |                            |                                       |              |             |             |             |             |      |
| For each measure please select from the drop-down list the relevant investment. Where no investment is related to the measure, e.g. with process optimisation, please select "No investment". Where more than one investment relates to a certain measure, please enter corresponding information in the form of "100" and "0".                |                            |                                       |              |             |             |             |             |      |
| Consistently, please provide for each period the percentage in which each measure and investment contributes to the specific emission reduction (required under). The sum of all measures should equal 100% (consistency check under ii). In which case the data emission reduction (required under ii) equals the specific reduction under i. |                            |                                       |              |             |             |             |             |      |
| Following the entries made in sections C.7 and C.1.1, select only in the period in which the measures are implemented or prior and after the sub-installation is operational are entered out.                                                                                                                                                  |                            |                                       |              |             |             |             |             |      |
| The consistency check under ii will prompt an error message in the following cases:                                                                                                                                                                                                                                                            |                            |                                       |              |             |             |             |             |      |
| - No targets are set before a reduction or targets are not after a reduction                                                                                                                                                                                                                                                                   |                            |                                       |              |             |             |             |             |      |
| - Targets are entered for years where there are either no targets set or the targets are equal to the previous, i.e. reduction under ii equals zero                                                                                                                                                                                            |                            |                                       |              |             |             |             |             |      |
| - The targets do not add up to 100%                                                                                                                                                                                                                                                                                                            |                            |                                       |              |             |             |             |             |      |
|                                                                                                                                                                                                                                                                                                                                                | Reference value            | 2025                                  | 2030         | 2035        | 2040        | 2045        | 2050        |      |
|                                                                                                                                                                                                                                                                                                                                                | t CO2e / Tj                | t CO2e / Tj                           | t CO2e / Tj  | t CO2e / Tj | t CO2e / Tj | t CO2e / Tj | t CO2e / Tj |      |

## Ψηφιακή Βεβαίωση Εγγράφου



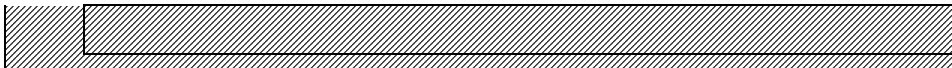
Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 21/41



[illegible]



#### Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο [docs.gov.gr/validate](https://docs.gov.gr/validate)



**Κωδικός εγγράφου:** ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 24/41

### Quantitative impact assessment other processes

2

Other processes

The name of the process/technology/contribution to emissions accounting taken in the report is sheet "1", subsection/Baselines?

**(a) Specific emission targets**  
 Specify the main emission target, a measure or specific emissions targeted with the national emissions (baseline), by the end of each five year period. Additionally indicate emission targets can be derived within

The baseline is automatically calculated based on the input of historical emissions in sheet "0", subsection/Emissions

|                              | Baseline | Unit    | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|------------------------------|----------|---------|------|------|------|------|------|------|
| 1. Specific emission targets |          |         |      |      |      |      |      |      |
| 2. Absolute emission targets |          | 1°C Q2e |      |      |      |      |      |      |

**(b) Relative emission targets**  
 The reduction in specific emissions relative to the baseline (average historic emissions) is indicated in sheet "3" and the national contribution share is automatically calculated based on the inputs for the specific emission targets entered in the above

|                                  | Reference value | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|----------------------------------|-----------------|------|------|------|------|------|------|
| 1. Relative to baseline value    |                 |      |      |      |      |      |      |
| 2. 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 table below the measure that has a contribution to the target according to the table below

Each measure above refers to the five years of the reporting period. If there is a constant reduction in the measure, e.g. 10%, please confirm this percentage. If the measure is not the constant relative to the reference measure, please enter the corresponding information in the table of the table.

Subsequently, please provide the average percentage in which each measure and investment contributes to the specific emission reduction required under". The national reduction should equal 100% contribution under 2025 to 2050. Please use the table below to indicate required under 2025, specify the specific reduction rate

Following the table below in sections 1.1 and 1.2, please enter the period in which the measures are implemented in 2025 and after the contribution is operational are specified

The consistency check under 1.1 will appear in later message in the following format:

no targets are set either a cessation or target are set either a cessation

targets are entered for years where there are either no targets set or the targets are equal to the baseline, i.e. reduction under 1, equals zero

the measure of not add up to 100%

| Reference value | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|-----------------|------|------|------|------|------|------|
|-----------------|------|------|------|------|------|------|

| Specific reduction (target versus baseline) |            | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|---------------------------------------------|------------|------|------|------|------|------|------|
| Measure                                     | Investment |      |      |      |      |      |      |
| 1                                           |            |      |      |      |      |      |      |
| 2                                           |            |      |      |      |      |      |      |
| 3                                           |            |      |      |      |      |      |      |
| 4                                           |            |      |      |      |      |      |      |
| 5                                           |            |      |      |      |      |      |      |
| 6                                           |            |      |      |      |      |      |      |
| 7                                           |            |      |      |      |      |      |      |
| 8                                           |            |      |      |      |      |      |      |
| 9                                           |            |      |      |      |      |      |      |
| 10                                          |            |      |      |      |      |      |      |
| 11                                          |            |      |      |      |      |      |      |
| 12                                          |            |      |      |      |      |      |      |
| 13                                          |            |      |      |      |      |      |      |
| 14                                          |            |      |      |      |      |      |      |
| 15                                          |            |      |      |      |      |      |      |
| 16                                          |            |      |      |      |      |      |      |
| 17                                          |            |      |      |      |      |      |      |
| 18                                          |            |      |      |      |      |      |      |
| 19                                          |            |      |      |      |      |      |      |
| 20                                          |            |      |      |      |      |      |      |
| 21                                          |            |      |      |      |      |      |      |
| 22                                          |            |      |      |      |      |      |      |
| 23                                          |            |      |      |      |      |      |      |
| 24                                          |            |      |      |      |      |      |      |
| 25                                          |            |      |      |      |      |      |      |
| 26                                          |            |      |      |      |      |      |      |
| 27                                          |            |      |      |      |      |      |      |
| 28                                          |            |      |      |      |      |      |      |
| 29                                          |            |      |      |      |      |      |      |
| 30                                          |            |      |      |      |      |      |      |
| 31                                          |            |      |      |      |      |      |      |
| 32                                          |            |      |      |      |      |      |      |
| 33                                          |            |      |      |      |      |      |      |
| 34                                          |            |      |      |      |      |      |      |
| 35                                          |            |      |      |      |      |      |      |
| 36                                          |            |      |      |      |      |      |      |
| 37                                          |            |      |      |      |      |      |      |
| 38                                          |            |      |      |      |      |      |      |
| 39                                          |            |      |      |      |      |      |      |
| 40                                          |            |      |      |      |      |      |      |
| 41                                          |            |      |      |      |      |      |      |
| 42                                          |            |      |      |      |      |      |      |
| 43                                          |            |      |      |      |      |      |      |
| 44                                          |            |      |      |      |      |      |      |
| 45                                          |            |      |      |      |      |      |      |
| 46                                          |            |      |      |      |      |      |      |
| 47                                          |            |      |      |      |      |      |      |
| 48                                          |            |      |      |      |      |      |      |
| 49                                          |            |      |      |      |      |      |      |
| 50                                          |            |      |      |      |      |      |      |
| 51                                          |            |      |      |      |      |      |      |
| 52                                          |            |      |      |      |      |      |      |
| 53                                          |            |      |      |      |      |      |      |
| 54                                          |            |      |      |      |      |      |      |
| 55                                          |            |      |      |      |      |      |      |
| 56                                          |            |      |      |      |      |      |      |
| 57                                          |            |      |      |      |      |      |      |
| 58                                          |            |      |      |      |      |      |      |
| 59                                          |            |      |      |      |      |      |      |
| 60                                          |            |      |      |      |      |      |      |
| 61                                          |            |      |      |      |      |      |      |
| 62                                          |            |      |      |      |      |      |      |
| 63                                          |            |      |      |      |      |      |      |
| 64                                          |            |      |      |      |      |      |      |
| 65                                          |            |      |      |      |      |      |      |
| 66                                          |            |      |      |      |      |      |      |
| 67                                          |            |      |      |      |      |      |      |
| 68                                          |            |      |      |      |      |      |      |
| 69                                          |            |      |      |      |      |      |      |
| 70                                          |            |      |      |      |      |      |      |
| 71                                          |            |      |      |      |      |      |      |
| 72                                          |            |      |      |      |      |      |      |
| 73                                          |            |      |      |      |      |      |      |
| 74                                          |            |      |      |      |      |      |      |
| 75                                          |            |      |      |      |      |      |      |
| 76                                          |            |      |      |      |      |      |      |
| 77                                          |            |      |      |      |      |      |      |
| 78                                          |            |      |      |      |      |      |      |
| 79                                          |            |      |      |      |      |      |      |
| 80                                          |            |      |      |      |      |      |      |
| 81                                          |            |      |      |      |      |      |      |
| 82                                          |            |      |      |      |      |      |      |
| 83                                          |            |      |      |      |      |      |      |
| 84                                          |            |      |      |      |      |      |      |
| 85                                          |            |      |      |      |      |      |      |
| 86                                          |            |      |      |      |      |      |      |
| 87                                          |            |      |      |      |      |      |      |
| 88                                          |            |      |      |      |      |      |      |
| 89                                          |            |      |      |      |      |      |      |
| 90                                          |            |      |      |      |      |      |      |
| 91                                          |            |      |      |      |      |      |      |
| 92                                          |            |      |      |      |      |      |      |
| 93                                          |            |      |      |      |      |      |      |
| 94                                          |            |      |      |      |      |      |      |
| 95                                          |            |      |      |      |      |      |      |
| 96                                          |            |      |      |      |      |      |      |
| 97                                          |            |      |      |      |      |      |      |
| 98                                          |            |      |      |      |      |      |      |
| 99                                          |            |      |      |      |      |      |      |
| 100                                         |            |      |      |      |      |      |      |
| 101                                         |            |      |      |      |      |      |      |
| 102                                         |            |      |      |      |      |      |      |
| 103                                         |            |      |      |      |      |      |      |
| 104                                         |            |      |      |      |      |      |      |
| 105                                         |            |      |      |      |      |      |      |
| 106                                         |            |      |      |      |      |      |      |
| 107                                         |            |      |      |      |      |      |      |
| 108                                         |            |      |      |      |      |      |      |
| 109                                         |            |      |      |      |      |      |      |
| 110                                         |            |      |      |      |      |      |      |
| 111                                         |            |      |      |      |      |      |      |
| 112                                         |            |      |      |      |      |      |      |
| 113                                         |            |      |      |      |      |      |      |
| 114                                         |            |      |      |      |      |      |      |
| 115                                         |            |      |      |      |      |      |      |
| 116                                         |            |      |      |      |      |      |      |
| 117                                         |            |      |      |      |      |      |      |
| 118                                         |            |      |      |      |      |      |      |
| 119                                         |            |      |      |      |      |      |      |
| 120                                         |            |      |      |      |      |      |      |
| 121                                         |            |      |      |      |      |      |      |
| 122                                         |            |      |      |      |      |      |      |
| 123                                         |            |      |      |      |      |      |      |
| 124                                         |            |      |      |      |      |      |      |
| 125                                         |            |      |      |      |      |      |      |
| 126                                         |            |      |      |      |      |      |      |
| 127                                         |            |      |      |      |      |      |      |
| 128                                         |            |      |      |      |      |      |      |
| 129                                         |            |      |      |      |      |      |      |
| 130                                         |            |      |      |      |      |      |      |
| 131                                         |            |      |      |      |      |      |      |
| 132                                         |            |      |      |      |      |      |      |
| 133                                         |            |      |      |      |      |      |      |
| 134                                         |            |      |      |      |      |      |      |
| 135                                         |            |      |      |      |      |      |      |
| 136                                         |            |      |      |      |      |      |      |
| 137                                         |            |      |      |      |      |      |      |
| 138                                         |            |      |      |      |      |      |      |
| 139                                         |            |      |      |      |      |      |      |
| 140                                         |            |      |      |      |      |      |      |
| 141                                         |            |      |      |      |      |      |      |
| 142                                         |            |      |      |      |      |      |      |
| 143                                         |            |      |      |      |      |      |      |
| 144                                         |            |      |      |      |      |      |      |
| 145                                         |            |      |      |      |      |      |      |
| 146                                         |            |      |      |      |      |      |      |
| 147                                         |            |      |      |      |      |      |      |
| 148                                         |            |      |      |      |      |      |      |
| 149                                         |            |      |      |      |      |      |      |
| 150                                         |            |      |      |      |      |      |      |
| 151                                         |            |      |      |      |      |      |      |
| 152                                         |            |      |      |      |      |      |      |
| 153                                         |            |      |      |      |      |      |      |
| 154                                         |            |      |      |      |      |      |      |
| 155                                         |            |      |      |      |      |      |      |
| 156                                         |            |      |      |      |      |      |      |
| 157                                         |            |      |      |      |      |      |      |
| 158                                         |            |      |      |      |      |      |      |
| 159                                         |            |      |      |      |      |      |      |
| 160                                         |            |      |      |      |      |      |      |
| 161                                         |            |      |      |      |      |      |      |
| 162                                         |            |      |      |      |      |      |      |
| 163                                         |            |      |      |      |      |      |      |
| 164                                         |            |      |      |      |      |      |      |
| 165                                         |            |      |      |      |      |      |      |
| 166                                         |            |      |      |      |      |      |      |
| 167                                         |            |      |      |      |      |      |      |
| 168                                         |            |      |      |      |      |      |      |
| 169                                         |            |      |      |      |      |      |      |
| 170                                         |            |      |      |      |      |      |      |
| 171                                         |            |      |      |      |      |      |      |
| 172                                         |            |      |      |      |      |      |      |
| 173                                         |            |      |      |      |      |      |      |
| 174                                         |            |      |      |      |      |      |      |
| 175                                         |            |      |      |      |      |      |      |
| 176                                         |            |      |      |      |      |      |      |
| 177                                         |            |      |      |      |      |      |      |
| 178                                         |            |      |      |      |      |      |      |
| 179                                         |            |      |      |      |      |      |      |
| 180                                         |            |      |      |      |      |      |      |
| 181                                         |            |      |      |      |      |      |      |
| 182                                         |            |      |      |      |      |      |      |
| 183                                         |            |      |      |      |      |      |      |
| 184                                         |            |      |      |      |      |      |      |
| 185                                         |            |      |      |      |      |      |      |
| 186                                         |            |      |      |      |      |      |      |
| 187                                         |            |      |      |      |      |      |      |
| 188                                         |            |      |      |      |      |      |      |
| 189                                         |            |      |      |      |      |      |      |
| 190                                         |            |      |      |      |      |      |      |
| 191                                         |            |      |      |      |      |      |      |
| 192                                         |            |      |      |      |      |      |      |
| 193                                         |            |      |      |      |      |      |      |
| 194                                         |            |      |      |      |      |      |      |
| 195                                         |            |      |      |      |      |      |      |
| 196                                         |            |      |      |      |      |      |      |
| 197                                         |            |      |      |      |      |      |      |
| 198                                         |            |      |      |      |      |      |      |
| 199                                         |            |      |      |      |      |      |      |
| 200                                         |            |      |      |      |      |      |      |
| 201                                         |            |      |      |      |      |      |      |
| 202                                         |            |      |      |      |      |      |      |
| 203                                         |            |      |      |      |      |      |      |
| 204                                         |            |      |      |      |      |      |      |
| 205                                         |            |      |      |      |      |      |      |
| 206                                         |            |      |      |      |      |      |      |
| 207                                         |            |      |      |      |      |      |      |
| 208                                         |            |      |      |      |      |      |      |
| 209                                         |            |      |      |      |      |      |      |
| 210                                         |            |      |      |      |      |      |      |
| 211                                         |            |      |      |      |      |      |      |
| 212                                         |            |      |      |      |      |      |      |
| 213                                         |            |      |      |      |      |      |      |
| 214                                         |            |      |      |      |      |      |      |
| 215                                         |            |      |      |      |      |      |      |
| 216                                         |            |      |      |      |      |      |      |
| 217                                         |            |      |      |      |      |      |      |
| 218                                         |            |      |      |      |      |      |      |
| 219                                         |            |      |      |      |      |      |      |
| 220                                         |            |      |      |      |      |      |      |
| 221                                         |            |      |      |      |      |      |      |
| 222                                         |            |      |      |      |      |      |      |
| 223                                         |            |      |      |      |      |      |      |
| 224                                         |            |      |      |      |      |      |      |
| 225                                         |            |      |      |      |      |      |      |
| 226                                         |            |      |      |      |      |      |      |
| 227                                         |            |      |      |      |      |      |      |
| 228                                         |            |      |      |      |      |      |      |
| 229                                         |            |      |      |      |      |      |      |
| 230                                         |            |      |      |      |      |      |      |
| 231                                         |            |      |      |      |      |      |      |
| 232                                         |            |      |      |      |      |      |      |
| 233                                         |            |      |      |      |      |      |      |
| 234                                         |            |      |      |      |      |      |      |
| 235                                         |            |      |      |      |      |      |      |
| 236                                         |            |      |      |      |      |      |      |
| 237                                         |            |      |      |      |      |      |      |
| 238                                         |            |      |      |      |      |      |      |
| 239                                         |            |      |      |      |      |      |      |
| 240                                         |            |      |      |      |      |      |      |
| 241                                         |            |      |      |      |      |      |      |
| 242                                         |            |      |      |      |      |      |      |

I. SUMMARY

I General information about the CNP

(a) About the operator

|                                                                                                                               |                                                            |                                   |  |
|-------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|-----------------------------------|--|
| Operator Name                                                                                                                 | CaO Hellas Θεσσαλική Ασβεστοποιία ΑΒΕΕ (εγκατάσταση Βόλου) |                                   |  |
| Member State                                                                                                                  | Greece                                                     |                                   |  |
| Emissions trading permit number                                                                                               | member state/CA prefix                                     | ΥΠΕΝ/ΔΚΑΠΑ/110249/2051/16.11.2020 |  |
| Competent Authority                                                                                                           | ΥΠΕΝ / Τμήμα Μηχανισμών Αγοράς και Μητρώου Εκπομπών        |                                   |  |
| CNP submitted by DH company at company level                                                                                  |                                                            |                                   |  |
| The operator of this installation confirms that this plan may be used by the competent authority and the European Commission. |                                                            |                                   |  |
| The operator of this installation confirms the conformity of the system boundaries of emissions.                              |                                                            |                                   |  |

(b) About the installation(s)

| No. | Installation Name    | Registry ID (as in NIMs) | Unique ID | Address | City  | State/Province/Region | Postcode/ZIP | Country |
|-----|----------------------|--------------------------|-----------|---------|-------|-----------------------|--------------|---------|
| 1   | CaO Hellas Θεσσαλική | GR20344                  |           | Βόλου   | ΒΟΛΟΣ |                       | 37500        | Greece  |
| 2   |                      |                          |           |         |       |                       |              |         |
| 3   |                      |                          |           |         |       |                       |              |         |
| 4   |                      |                          |           |         |       |                       |              |         |
| 5   |                      |                          |           |         |       |                       |              |         |
| 6   |                      |                          |           |         |       |                       |              |         |
| 7   |                      |                          |           |         |       |                       |              |         |
| 8   |                      |                          |           |         |       |                       |              |         |
| 9   |                      |                          |           |         |       |                       |              |         |
| 10  |                      |                          |           |         |       |                       |              |         |
| 11  |                      |                          |           |         |       |                       |              |         |
| 12  |                      |                          |           |         |       |                       |              |         |
| 13  |                      |                          |           |         |       |                       |              |         |
| 14  |                      |                          |           |         |       |                       |              |         |
| 15  |                      |                          |           |         |       |                       |              |         |
| 16  |                      |                          |           |         |       |                       |              |         |
| 17  |                      |                          |           |         |       |                       |              |         |
| 18  |                      |                          |           |         |       |                       |              |         |
| 19  |                      |                          |           |         |       |                       |              |         |
| 20  |                      |                          |           |         |       |                       |              |         |

II Historical emissions

| No. | Product type                                         | Unit       | 2019  | 2020  | 2021  | 2022  | 2023  | Estimate |
|-----|------------------------------------------------------|------------|-------|-------|-------|-------|-------|----------|
| 1   | Lime                                                 | t CO2e / t | 1,038 | 1,062 | 1,043 | 0,936 | 1,064 | 0,000    |
| 2   |                                                      |            |       |       |       |       |       |          |
| 3   |                                                      |            |       |       |       |       |       |          |
| 4   |                                                      |            |       |       |       |       |       |          |
| 5   |                                                      |            |       |       |       |       |       |          |
| 6   |                                                      |            |       |       |       |       |       |          |
| 7   |                                                      |            |       |       |       |       |       |          |
| 8   |                                                      |            |       |       |       |       |       |          |
| 9   |                                                      |            |       |       |       |       |       |          |
| 10  |                                                      |            |       |       |       |       |       |          |
| 11  | Heat benchmark sub-installation, CL, non-CBAM        | TJ         |       |       |       |       |       |          |
| 12  | Heat benchmark sub-installation, non-CL, non-CBAM    | TJ         |       |       |       |       |       |          |
| 13  | Heat benchmark sub-installation, CBAM                | TJ         |       |       |       |       |       |          |
| 14  | District heating sub-installation                    | TJ         |       |       |       |       |       |          |
| 15  | Fuel benchmark sub-installation, CL, non-CBAM        | TJ         |       |       |       |       |       |          |
| 16  | Fuel benchmark sub-installation, non-CL, non-CBAM    | TJ         |       |       |       |       |       |          |
| 17  | Fuel benchmark sub-installation, CBAM                | TJ         |       |       |       |       |       |          |
| 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     |       |       |       |       |       |          |
| 21  |                                                      |            |       |       |       |       |       |          |
| 22  |                                                      |            |       |       |       |       |       |          |
| 23  |                                                      |            |       |       |       |       |       |          |

III Specific targets relative to the relevant benchmark and to the baseline value

(a) Specific targets relative to the relevant benchmark values

| No. | Product type                                         | BM value | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|-----|------------------------------------------------------|----------|------|------|------|------|------|------|
| 1   | Lime                                                 | 0,7250   | 141% | 123% | 83%  | 69%  | 65%  | 34%  |
| 2   |                                                      |          |      |      |      |      |      |      |
| 3   |                                                      |          |      |      |      |      |      |      |
| 4   |                                                      |          |      |      |      |      |      |      |
| 5   |                                                      |          |      |      |      |      |      |      |
| 6   |                                                      |          |      |      |      |      |      |      |
| 7   |                                                      |          |      |      |      |      |      |      |
| 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                    |          |      |      |      |      |      |      |
| 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  |                                                      |          |      |      |      |      |      |      |
| 22  |                                                      |          |      |      |      |      |      |      |
| 23  |                                                      |          |      |      |      |      |      |      |

(b) Specific targets relative to the average specific emissions during the baseline

| No. | Product type | Baseline | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|-----|--------------|----------|------|------|------|------|------|------|
| 1   | Lime         | 1,0286   | 100% | 87%  | 66%  | 49%  | 39%  | 24%  |
| 2   |              |          |      |      |      |      |      |      |
| 3   |              |          |      |      |      |      |      |      |
| 4   |              |          |      |      |      |      |      |      |
| 5   |              |          |      |      |      |      |      |      |

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

|    |                                                      |  |  |  |  |  |  |  |
|----|------------------------------------------------------|--|--|--|--|--|--|--|
| 6  |                                                      |  |  |  |  |  |  |  |
| 7  |                                                      |  |  |  |  |  |  |  |
| 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                    |  |  |  |  |  |  |  |
| 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 |                                                      |  |  |  |  |  |  |  |
| 22 |                                                      |  |  |  |  |  |  |  |
| 23 |                                                      |  |  |  |  |  |  |  |

### III Gantt charts for measures, investments & milestones

| (a) Measures    |                                                         | <= 2025 | 2026-2030 | 2031-2035 | 2036-2040 | 2041-2045 | 2046-2050 |
|-----------------|---------------------------------------------------------|---------|-----------|-----------|-----------|-----------|-----------|
| 1               | ME1: CCU PILOT TEST                                     |         |           |           |           |           |           |
| 2               | ME2: Natural gas as fuel                                |         |           |           |           |           |           |
| 3               | ME3: Sustainable biomass as a fuel                      |         |           |           |           |           |           |
| 4               | ME4: CCU                                                |         |           |           |           |           |           |
| 5               | ME5: CCU                                                |         |           |           |           |           |           |
| 6               | ME6: CCS                                                |         |           |           |           |           |           |
| 7               | ME7: CCS                                                |         |           |           |           |           |           |
| 8               |                                                         |         |           |           |           |           |           |
| 9               |                                                         |         |           |           |           |           |           |
| 10              |                                                         |         |           |           |           |           |           |
| (b) Investments |                                                         | <= 2025 | 2026-2030 | 2031-2035 | 2036-2040 | 2041-2045 | 2046-2050 |
| 1               | IN1: Pilot carbon capture                               |         |           |           |           |           |           |
| 2               | IN2: PCC production 10 t/day                            |         |           |           |           |           |           |
| 3               | IN3: Biomass burning                                    |         |           |           |           |           |           |
| 4               | IN4: PCC production upgrade                             |         |           |           |           |           |           |
| 5               | IN5: CCS with amines                                    |         |           |           |           |           |           |
| 6               | IN6: CCS with amines                                    |         |           |           |           |           |           |
| 7               |                                                         |         |           |           |           |           |           |
| 8               |                                                         |         |           |           |           |           |           |
| 9               |                                                         |         |           |           |           |           |           |
| 10              |                                                         |         |           |           |           |           |           |
| (c) Milestones  |                                                         | <= 2025 | 2026-2030 | 2031-2035 | 2036-2040 | 2041-2045 | 2046-2050 |
| 1               | M1: HORIZON project 6 months test CCU                   |         |           |           |           |           |           |
| 2               | M2: Natural gas instead of petroleum coke               |         |           |           |           |           |           |
| 3               | M3: 2026 use biomass or alternative fuels by 10 %       |         |           |           |           |           |           |
| 4               | M4: Introduction of pilot PCC unit                      |         |           |           |           |           |           |
| 5               | M5: Upgrade of PCC                                      |         |           |           |           |           |           |
| 6               | M6: introduction of technology CCS with amines and RPBs |         |           |           |           |           |           |
| 7               | M7: upgrade of CCS with amines and RPBs                 |         |           |           |           |           |           |
| 8               |                                                         |         |           |           |           |           |           |
| 9               |                                                         |         |           |           |           |           |           |
| 10              |                                                         |         |           |           |           |           |           |
| 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                                                         | Short name or internal ID     | Detailed description                                                                                   |                                                  |
| ME1          | <= 2025                                                        | CCU PILOT TEST                | HORIZON project of CCU with amines and rotating packed beds (RPBs)                                     |                                                  |
| ME2          | 2026-2030                                                      | Sustainable biomass as a fuel | Replacement 10 % of natural gas with sustainable biomass. Combustion fuel mix- biomass/natural gas     |                                                  |
| ME3          | 2026-2030                                                      | CCU                           | Carbon Capture and utilisation as a mineral product - precipitated calcium carbonate by recarbonation  |                                                  |
| ME4          | 2026-2030                                                      | CCU                           | Upgrade of CCU as a mineral product - PCC precipitated calcium carbonate by recarbonation              |                                                  |
| ME5          | 2026-2030                                                      | #ANAFI                        | #ANAFI                                                                                                 |                                                  |
| ME6          | 2031-2035                                                      | CCS                           | Carbon Capture and storage by amine technology based on rotating packed beds- transport to carbon sink |                                                  |
| ME7          | 2036-2040                                                      | CCS                           | Upgrade of Carbon Capture and storage by amine technology based on rotating packed beds- transport to  |                                                  |
| ME8          |                                                                |                               |                                                                                                        |                                                  |
| ME9          |                                                                |                               |                                                                                                        |                                                  |
| ME10         |                                                                |                               |                                                                                                        |                                                  |
| No.          | Detailed description of enabling conditions                    |                               | Reasons for measure decision                                                                           | Qualitative impacts                              |
| ME1          | Pilot test CCU by amines and RPBs                              |                               | testing European Funded technology -                                                                   | Feasibility study of a prototype                 |
| ME2          | upgraded burners                                               |                               | reducing combustion emissions                                                                          | common practice                                  |
| ME3          | burners                                                        |                               | reducing combustion emissions                                                                          | common practice                                  |
| ME4          | recarbonation pilot reactor with milk of lime and auxiliary    |                               | Carbon capture and utilisation                                                                         | Commercial product from CCU - PCC_Pilot          |
| ME5          | Upgraded recarbonation reactor with milk of lime and auxiliary |                               | Carbon capture and utilisation                                                                         | Upgraded Commercial product from CCU - PCC_Pilot |
| ME6          | Amine absorption technology with rotating packed beds phase 1  |                               | Carbon capture and storage                                                                             | Carbon capture, storage and transport to         |
| ME7          | Amine absorption technology with rotating packed beds phase 2  |                               | Carbon capture and storage                                                                             |                                                  |
| ME8          |                                                                |                               |                                                                                                        |                                                  |
| ME9          |                                                                |                               |                                                                                                        |                                                  |

## Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
 σκανάροντας το QR code ή εισάγοντας τον κωδικό  
 στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 28/41

| ME10 |                                                  |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |
|------|--------------------------------------------------|-------------------------------------------|--------------------|-----------------------|-------------------------|--------------------------------|---------------------------------------------|--------------------------------|--------------------------------------------|------------|
|      | (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 |
| No.  | technologies                                     |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |
| ME1  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME2  | FALSE                                            | TRUE                                      | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | TRUE                           | FALSE                                      | FALSE      |
| ME3  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | TRUE                    | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME4  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME5  | FALSE                                            | TRUE                                      | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME6  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME7  | FALSE                                            | FALSE                                     | FALSE              | FALSE                 | FALSE                   | FALSE                          | FALSE                                       | FALSE                          | TRUE                                       | FALSE      |
| ME8  |                                                  |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |
| ME9  |                                                  |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |
| ME10 |                                                  |                                           |                    |                       |                         |                                |                                             |                                |                                            |            |

| (b) Investments |         |                           |             |                                                                                                    |           |           |           |           |
|-----------------|---------|---------------------------|-------------|----------------------------------------------------------------------------------------------------|-----------|-----------|-----------|-----------|
| No.             | Year    | Short name or internal ID | Costs in M€ | Detailed description of investments                                                                |           |           |           |           |
| IN1             | <= 2025 | Pilot carbon capture      | 1.08        | 6 months trial of CO2 capture by amine technology with rotating packed beds                        |           |           |           |           |
| IN2             | 2026    | PCC production 10 t/day   | 1.5         | Installation of recarbonation of milk of lime (hydrated lime) with CO2 captured for PCC production |           |           |           |           |
| IN3             | 2026    | Biomass burning           | 0.3         | Equipment for biomass preparation and injection                                                    |           |           |           |           |
| IN4             | 2028    | PCC production upgrade    | 1           | Installation of recarbonation of milk of lime (hydrated lime) with CO2 captured for PCC production |           |           |           |           |
| IN5             | 2032    | CCS with amines           | 2           | Installation of amine technology introduced by IN1 results                                         |           |           |           |           |
| IN6             | 2037    | CCS with amines           | 2           | upgrade of amine technology phase 2                                                                |           |           |           |           |
| IN7             |         |                           |             |                                                                                                    |           |           |           |           |
| IN8             |         |                           |             |                                                                                                    |           |           |           |           |
| IN9             |         |                           |             |                                                                                                    |           |           |           |           |
| IN10            |         |                           |             |                                                                                                    |           |           |           |           |
| Period          |         |                           | <= 2025     | 2026-2030                                                                                          | 2031-2035 | 2036-2040 | 2041-2045 | 2046-2050 |
| Annualised M€   |         |                           | N.A.        | 0.56                                                                                               | 0.40      | 0.40      | 0.00      | 0.00      |

| (c) Milestones |           |                                                     |                               |
|----------------|-----------|-----------------------------------------------------|-------------------------------|
| No.            | Period    | Detailed description of the milestones              | Measure(s)                    |
| M11            | <= 2025   | HORIZON project 6 months test CCU                   | ME1: CCU PILOT TEST           |
| M12            | <= 2025   | Natural gas instead of petroleum coke               | ME2: Natural gas as fuel      |
| M13            | 2026-2030 | 2026 use biomass or alternative fuels by 10 %       | ME3: Sustainable biomass as a |
| M14            | 2026-2030 | Introduction of pilot PCC unit                      | ME4: CCU                      |
| M15            | 2026-2030 | Upgrade of PCC                                      | ME5: CCU                      |
| M16            | 2031-2035 | introduction of technology CCS with amines and RPBs | ME6: CCS                      |
| M17            | 2036-2040 | upgrade of CCS with amines and RPBs                 | ME7: CCS                      |
| M18            |           |                                                     |                               |
| M19            |           |                                                     |                               |
| M110           |           |                                                     |                               |
| M111           |           |                                                     |                               |
| M112           |           |                                                     |                               |
| M113           |           |                                                     |                               |
| M114           |           |                                                     |                               |
| M115           |           |                                                     |                               |
| M116           |           |                                                     |                               |
| M117           |           |                                                     |                               |
| M118           |           |                                                     |                               |
| M119           |           |                                                     |                               |
| M120           |           |                                                     |                               |
| M121           |           |                                                     |                               |
| M122           |           |                                                     |                               |
| M123           |           |                                                     |                               |
| M124           |           |                                                     |                               |
| M125           |           |                                                     |                               |
| M126           |           |                                                     |                               |
| M127           |           |                                                     |                               |
| M128           |           |                                                     |                               |
| M129           |           |                                                     |                               |
| M130           |           |                                                     |                               |

## V Sub-installation data

| 1 Sub-installation with product benchmark:                                         |                                             | Lime                          |        |        |        |        |        |        |
|------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------|--------|--------|--------|--------|--------|--------|
|                                                                                    |                                             | Reference value<br>t CO2e / t | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   |
| i.                                                                                 | Targets relative to baseline value          | 1,0286                        | 100%   | 87%    | 58%    | 49%    | 39%    | 24%    |
| ii.                                                                                | Targets relative to relevant BM value       | 0,7250                        | 141%   | 123%   | 83%    | 69%    | 55%    | 34%    |
|                                                                                    |                                             | Reference value<br>t CO2e / t | 2025   | 2030   | 2035   | 2040   | 2045   | 2050   |
| iii.                                                                               | Absolute specific reduction versus baseline | 1,0286                        | -0,004 | -0,139 | -0,429 | -0,529 | -0,629 | -0,779 |
| iv. Impact share of each measure (100% = value under point iii.)                   |                                             |                               |        |        |        |        |        |        |
| Measure                                                                            | Investments                                 | 2025                          | 2030   | 2035   | 2040   | 2045   | 2050   |        |
| 1                                                                                  | ME1: CCU PILOT TEST                         | IN1: Pilot carbon capture     | 100%   | 0%     | 0%     | 0%     | 0%     | 0%     |
| 2                                                                                  | ME2: Natural gas as fuel                    | no investments                | 0%     | 67%    | 30%    | 18%    | 12%    | 9%     |
| 3                                                                                  | ME3: Sustainable biomass as a               | IN3: Biomass burning          | 0%     | 8%     | 5%     | 0%     | 0%     | 0%     |
| 4                                                                                  | ME4: CCU                                    | IN2: PCC production 10 t/day  | 0%     | 13%    | 7%     | 4%     | 3%     | 2%     |
| 5                                                                                  | ME5: CCU                                    | IN4: PCC production upgrade   | 0%     | 13%    | 7%     | 4%     | 3%     | 2%     |
| 6                                                                                  | ME6: CCS                                    | IN5: CCS with amines          | 0%     | 0%     | 51%    | 74%    | 82%    | 87%    |
| 7                                                                                  |                                             |                               |        |        |        |        |        |        |
| 8                                                                                  |                                             |                               |        |        |        |        |        |        |
| 9                                                                                  |                                             |                               |        |        |        |        |        |        |
| 10                                                                                 |                                             |                               |        |        |        |        |        |        |
| TOTAL                                                                              |                                             |                               | 100%   | 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                                                                                  | ME1: CCU PILOT TEST                         | IN1: Pilot carbon capture     | 0%     | 0%     | 0%     | 0%     | 0%     | 0%     |
| 2                                                                                  | ME2: Natural gas as fuel                    | no investments                | 0%     | -9%    | -13%   | -9%    | -7%    | -7%    |
| 3                                                                                  | ME3: Sustainable biomass as a               | IN3: Biomass burning          | 0%     | -1%    | -2%    | 0%     | 0%     | 0%     |
| 4                                                                                  | ME4: CCU                                    | IN2: PCC production 10 t/day  | 0%     | -2%    | -3%    | -2%    | -2%    | -2%    |
| 5                                                                                  | ME5: CCU                                    | IN4: PCC production upgrade   | 0%     | -2%    | -3%    | -2%    | -2%    | -2%    |
| 6                                                                                  | ME6: CCS                                    | IN5: CCS with amines          | 0%     | 0%     | -21%   | -38%   | -56%   | -66%   |

## Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 29/41

|    |       |    |      |      |      |      |      |
|----|-------|----|------|------|------|------|------|
| 7  |       |    |      |      |      |      |      |
| 8  |       |    |      |      |      |      |      |
| 9  |       |    |      |      |      |      |      |
| 10 |       |    |      |      |      |      |      |
|    | TOTAL | 0% | -13% | -42% | -54% | -64% | -76% |

## 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 |                 |      |      |      |      |      |      |

## Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 30/41

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       |             |      |      |      |      |      |      |

### Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate



Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 31/41

|    |  |       |  |  |  |  |  |
|----|--|-------|--|--|--|--|--|
| 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 |      |      |      |      |      |      |

### Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 32/41

|         |                                                                                 | 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: |                                                                                 | Heat benchmark sub-installation, CL, non-CBAM |      |      |      |      |      | not relevant |  |
|--------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|------|------|------|------|------|--------------|--|
|                                | 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 |              |  |
|                                |                                                                                 |                                               |      |      |      |      |      |              |  |

## Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 33/41

|       |  |  |  |  |  |  |  |
|-------|--|--|--|--|--|--|--|
| 1     |  |  |  |  |  |  |  |
| 2     |  |  |  |  |  |  |  |
| 3     |  |  |  |  |  |  |  |
| 4     |  |  |  |  |  |  |  |
| 5     |  |  |  |  |  |  |  |
| 6     |  |  |  |  |  |  |  |
| 7     |  |  |  |  |  |  |  |
| 8     |  |  |  |  |  |  |  |
| 9     |  |  |  |  |  |  |  |
| 10    |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  |  |

#### 12 Fall-back sub-installation:

| all-back sub-installation:                                                         |                                             | Heat benchmark sub-installation, non-CL, non-CBAM |      |      |      | not relevant |      |
|------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------|------|------|------|--------------|------|
|                                                                                    | Reference value<br>t CO2e / TJ              | 2025                                              | 2030 | 2035 | 2040 | 2045         | 2050 |
| i.                                                                                 | Targets relative to baseline value          |                                                   |      |      |      |              |      |
| ii.                                                                                | Targets relative to relevant BM value       |                                                   |      |      |      |              |      |
|                                                                                    | Reference value<br>t CO2e / 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:

| all-back sub-installation:                                                         |                                             | Heat benchmark sub-installation, CBAM |      |      |      | not relevant |      |      |
|------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------|------|------|------|--------------|------|------|
|                                                                                    |                                             | Reference value<br>t CO2e / TJ        | 2025 | 2030 | 2035 | 2040         | 2045 | 2050 |
| i.                                                                                 | Targets relative to baseline value          |                                       |      |      |      |              |      |      |
| ii.                                                                                | Targets relative to relevant BM value       |                                       |      |      |      |              |      |      |
|                                                                                    |                                             | Reference value<br>t CO2e / 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:

| all-back sub-installation: |                                             | District heating sub-installation |      |      |      | not relevant |      |
|----------------------------|---------------------------------------------|-----------------------------------|------|------|------|--------------|------|
|                            | Reference value<br>t CO <sub>2</sub> e / TJ | 2025                              | 2030 | 2035 | 2040 | 2045         | 2050 |
| i.                         | Targets relative to baseline value          |                                   |      |      |      |              |      |

### Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 34/41

|                                                                                    |                                             |             |      |      |      |      |      |
|------------------------------------------------------------------------------------|---------------------------------------------|-------------|------|------|------|------|------|
| ii. Targets relative to relevant BM value                                          |                                             |             |      |      |      |      |      |
|                                                                                    | Reference value<br>t CO <sub>2</sub> 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 |
| 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 |
| 1                                                                                  |                                             |             |      |      |      |      |      |
| 2                                                                                  |                                             |             |      |      |      |      |      |
| 3                                                                                  |                                             |             |      |      |      |      |      |
| 4                                                                                  |                                             |             |      |      |      |      |      |
| 5                                                                                  |                                             |             |      |      |      |      |      |
| 6                                                                                  |                                             |             |      |      |      |      |      |
| 7                                                                                  |                                             |             |      |      |      |      |      |
| 8                                                                                  |                                             |             |      |      |      |      |      |
| 9                                                                                  |                                             |             |      |      |      |      |      |
| 10                                                                                 |                                             |             |      |      |      |      |      |
|                                                                                    | TOTAL                                       |             |      |      |      |      |      |

15 Fall-back sub-installation:

|                                                                                    |                                             |                                               |              |      |      |      |      |
|------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------|--------------|------|------|------|------|
|                                                                                    |                                             | Fuel benchmark sub-installation, CL, non-CBAM | not relevant |      |      |      |      |
|                                                                                    | Reference value<br>t CO <sub>2</sub> e / TJ | 2025                                          | 2030         | 2035 | 2040 | 2045 | 2050 |
| i. Targets relative to baseline value                                              |                                             |                                               |              |      |      |      |      |
| ii. Targets relative to relevant BM value                                          |                                             |                                               |              |      |      |      |      |
|                                                                                    | Reference value<br>t CO <sub>2</sub> 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 |
| 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 |
| 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<br>t CO <sub>2</sub> e / TJ | 2025                                              | 2030         | 2035 | 2040 | 2045 | 2050 |
| i. Targets relative to baseline value                            |                                             |                                                   |              |      |      |      |      |
| ii. Targets relative to relevant BM value                        |                                             |                                                   |              |      |      |      |      |
|                                                                  | Reference value<br>t CO <sub>2</sub> 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 |
| 1                                                                |                                             |                                                   |              |      |      |      |      |
| 2                                                                |                                             |                                                   |              |      |      |      |      |
| 3                                                                |                                             |                                                   |              |      |      |      |      |
| 4                                                                |                                             |                                                   |              |      |      |      |      |
| 5                                                                |                                             |                                                   |              |      |      |      |      |
| 6                                                                |                                             |                                                   |              |      |      |      |      |
| 7                                                                |                                             |                                                   |              |      |      |      |      |
| 8                                                                |                                             |                                                   |              |      |      |      |      |
| 9                                                                |                                             |                                                   |              |      |      |      |      |
| 10                                                               |                                             |                                                   |              |      |      |      |      |
|                                                                  | TOTAL                                       |                                                   |              |      |      |      |      |

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 35/41

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<br>t CO <sub>2</sub> e / TJ | 2025                                  | 2030 | 2035 | 2040 | 2045         | 2050 |
| i. Targets relative to baseline value            |                                             |                                       |      |      |      |              |      |
| ii. Targets relative to relevant BM value        |                                             |                                       |      |      |      |              |      |
|                                                  | Reference value<br>t CO <sub>2</sub> 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<br>t CO <sub>2</sub> e / t | 2025                                             | 2030 | 2035 | 2040 | 2045         | 2050 |
| i. Targets relative to baseline value            |                                            |                                                  |      |      |      |              |      |
| ii. Targets relative to relevant BM value        |                                            |                                                  |      |      |      |              |      |
|                                                  | Reference value<br>t CO <sub>2</sub> 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   |             |      |      |      |      |      |      |

19 Fall-back sub-installation:

|  |  | Process emissions sub-installation, non-CL, non-CBAM |  |  |  | not relevant |  |
|--|--|------------------------------------------------------|--|--|--|--------------|--|
|--|--|------------------------------------------------------|--|--|--|--------------|--|

Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate



Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 36/41

|                                                                                    | Reference value<br>t CO <sub>2</sub> e / t | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|------------------------------------------------------------------------------------|--------------------------------------------|------|------|------|------|------|------|
| i. Targets relative to baseline value                                              |                                            |      |      |      |      |      |      |
| ii. Targets relative to relevant BM value                                          |                                            |      |      |      |      |      |      |
|                                                                                    | Reference value<br>t CO <sub>2</sub> 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:

|                                                                                    | Reference value<br>t CO <sub>2</sub> e / t | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 |
|------------------------------------------------------------------------------------|--------------------------------------------|------|------|------|------|------|------|
| i. Targets relative to baseline value                                              |                                            |      |      |      |      |      |      |
| ii. Targets relative to relevant BM value                                          |                                            |      |      |      |      |      |      |
|                                                                                    | Reference value<br>t CO <sub>2</sub> 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:

|                                                                  | Reference value<br>t CO <sub>2</sub> e / t | 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<br>t CO <sub>2</sub> 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                                                                |                                            |      |      |      |      |      |      |

## Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTuteJRdcw

Σελίδα: 37/41

|    |  |       |  |  |  |  |  |
|----|--|-------|--|--|--|--|--|
| 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 |      |      |      |      |      |

## 22 Other processes:

| 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. |
|                  | 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:

| 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 |      |      |      |      |      |

## Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 38/41

#### Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο [docs.gov.gr/validate](https://docs.gov.gr/validate)



**Κωδικός εγγράφου:** ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 39/41

|                   |                  |                                   |  |  |  |
|-------------------|------------------|-----------------------------------|--|--|--|
| I.<br>MS specific | Navigation area: | <a href="#">Table of contents</a> |  |  |  |
|                   |                  |                                   |  |  |  |
|                   |                  |                                   |  |  |  |

## I. ADDITIONAL DATA REQUIREMENTS BY THE MEMBER STATE

**I To be defined by the Member State**

Ψηφιακή Βεβαίωση Εγγράφου

Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο [docs.gov.gr/validate](https://docs.gov.gr/validate)



Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 40/41

K. COMMENTS AND FURTHER INFORMATION

I Documents supporting this report

Please list here all relevant documents which are submitted together with this plan  
Please provide file name(s) (if in an electronic format) or document reference number(s) (if hard copy) below:

| File name/Reference | Document description |
|---------------------|----------------------|
|                     |                      |
|                     |                      |
|                     |                      |
|                     |                      |
|                     |                      |
|                     |                      |
|                     |                      |
|                     |                      |
|                     |                      |

II Free space for all kinds of supplemental information

In space below you can enter all information which was not suitable for input in other sheets and which you consider important for the competent authority

- 1

The use of natural gas was chosen as as the best fossil fuel to change petroleum coke
- 2

Sustainable biomass will be used to change some of the natural gas /percentage based on availability
- 3

PCC production seems to be the best technique to utilise captured CO2 to produce a product with high commercial value - circular economy
- 4

CaO Hellas is involved in a European funded HORIZON 2020 project for the capture by amines and the use of rotating packed beds. Tests will start at the beginn in CaO Hellas premises for 10 tCO2 per day
- 5

If the above test go well then CaO Hellas will install the technology for phase 1 and then upgrade it in phase 2

Ψηφιακή Βεβαίωση Εγγράφου



Μπορείτε να ελέγξετε την ισχύ του εγγράφου  
σκανάροντας το QR code ή εισάγοντας τον κωδικό  
στο docs.gov.gr/validate

Κωδικός εγγράφου: ZqPypv-XYU2TNTUteJRdcw

Σελίδα: 41/41

Υπογραφή:  
ΚΩΝΣΤΑΝΤΙΝΟΣ ΑΜΠΑΣ  
Πατρώνυμο: ΕΥΑΓΓΕΛΟΣ  
ΑΦΜ: 027383866  
Ημ. Υπογραφής: 30/07/2024 14:49:58