

Select all that apply

- ☒ Supplier-specific method
- ☒ Average product method
- ☒ Site-specific method
- ☒ Other, please specify :CO2 emissions data provided by suppliers through EPD (Environmental Product Declaration) or ISO CFP 14067 certifications

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

For Category 1 from Purchased goods and services, it includes emissions from the supply chain related to works and services. These are calculated based on the amount ordered (€) for each commodity group and its corresponding specific emission factor. For works, specific emission factors are calculated using data from sustainable construction sites for wind and solar projects, as well as from operation and maintenance activities of networks. For services, average emission factors from international databases are considered, based on the corresponding economic sector

Capital goods

(7.8.1) Evaluation status

Select from:

- ☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

3830188

(7.8.3) Emissions calculation methodology

Select all that apply

- ☒ Supplier-specific method
- ☒ Average product method

- ☒ Site-specific method
- ☒ Other, please specify :CO2 emissions data provided by suppliers through EPD (Environmental Product Declaration) or ISO CFP 14067 certifications

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

80

(7.8.5) Please explain

For Category 2 emissions from Capital goods, includes GHG emissions from the supply chain related to the production of supplies. These are calculated based on the amount ordered (€) for each commodity group and its corresponding specific emission factor. For major supplies, emission factors are used from data provided by suppliers via their environmental product declarations (EPD) or ISO CFP 14067 certifications, or from international databases based on the LCA (Life Cycle Assessment) methodology. For other supplies, emission factors are estimated based on average sector emissions. The percentage using data from suppliers is calculated based on the amount ordered divided by the total emissions of this category.

Fuel-and-energy-related activities (not included in Scope 1 or 2)

(7.8.1) Evaluation status

Select from:

- ☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO2e)

23734668

(7.8.3) Emissions calculation methodology

Select all that apply

- ☒ Fuel-based method
- ☒ Distance-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

For Category 3 emissions from: • Coal logistics: Considers fugitive CH₄ emissions from coal consumed at the Group's coal plants, • Fuel-oil and gas logistics: Covers the entire value chain from extraction to delivery, using secondary data for each specific phase and including CO₂, CH₄ (from both combustion and leaks), and N₂O emissions. • Biomass logistics: Calculated based on the volume transported by road, using secondary data, standard factors, and assumptions. • Electricity purchase for resale: Energy purchased from other producers and resold to end customers is calculated by assuming the Group's integrated position at the national level, estimating the amount of energy as the difference between energy sales and own production, applying location based national emission factors

Upstream transportation and distribution**(7.8.1) Evaluation status**

Select from:

☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO₂e)

7518

(7.8.3) Emissions calculation methodology

Select all that apply

☒ Fuel-based method

☒ Distance-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

For Category 4 emissions from Indirect GHG emissions (GHG) from fuel consumption for the road transportation of other fuels (not included in category 3), raw materials, and waste, as well as from third-party maritime transport of ash and other by-products from coal, are calculated based on the volume transported by road, using secondary data, standard factors, and assumptions

Waste generated in operations

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 5 emissions from Waste. This source is internally monitored but it was excluded from the GHG inventory according to a screening performed. The screening concluded the weight out of total Scope 3 emissions of this category was not material by Enel. Such screening was performed following the "Waste-type-specific method" suggested by GHG protocol, using emission factors from third party databases according to each specific waste type and waste treatment method, which resulted in a value lower than 50ktCO₂ which, represents 0.1%. Furthermore, the emissions associated to the transportation of waste is already considered in the category 4..

Business travel

(7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO₂e)

21243

(7.8.3) Emissions calculation methodology

Select all that apply

☒ Fuel-based method

☒ Distance-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

For Category 6 emissions from business travel are calculated using the distance-based methodology, considering the mode of transport (air and train) and hotel accommodations, applying DEFRA emission factors for each type

Employee commuting

(7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO₂e)

36399

(7.8.3) Emissions calculation methodology

Select all that apply

☒ Fuel-based method

☒ Distance-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

0

(7.8.5) Please explain

For Category 7 emissions from employee commuting are calculated based on available information from employees and/or surveys regarding the means of transport used to commute to and from work each day. In countries where no data is available, standard values are applied based on results from other Group countries. Emission factors for each mode of transport are applied using local sources when available or international databases such as DEFRA

Upstream leased assets

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 8 emissions from to leased upstream assets related to buildings and offices are already accounted for in Scope 1 and Scope 2 calculations

Downstream transportation and distribution

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 9 emissions from Downstream Transportation and Distribution..The screening carried out concluded that this category is not applicable according to Enel's business model (Enel business sector does not involve any downstream transportation activities), except for network losses, which are already considered in Scope 2

Processing of sold products

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 10 emissions from Processing of Sold Products. The screening carried out concluded that this category is not applicable according to Enel's business model (Enel sales electricity and gas, they are commodities that do not require processing).

Use of sold products

(7.8.1) Evaluation status

Select from:

☒ Relevant, calculated

(7.8.2) Emissions in reporting year (metric tons CO₂e)

14284104

(7.8.3) Emissions calculation methodology

Select all that apply

☒ Fuel-based method

(7.8.4) Percentage of emissions calculated using data obtained from suppliers or value chain partners

100

(7.8.5) Please explain

For Category 11 emissions from Use of sold products are related to the use of natural gas sold to end customers in the retail gas market are calculated based on the amount of energy sold, applying the corresponding emission factors from the IPCC.

End of life treatment of sold products

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 12 emissions from End-of-Life Treatment of Sold Products, This category is not applicable according to Enel's business model (Enel sales electricity and gas, they are commodities that do not require end-of-life- treatment)

Downstream leased assets

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 13 emissions from GHG emissions related to leased downstream assets related to buildings and offices are already accounted for in Scope 1 and Scope 2 calculations

Franchises

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 14 emissions from Processing of Sold Products is Not applicable to Enel's business model as the company does not operate franchises.

Investments

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

For Category 15, emission from Joint Ventures that fall outside the organization develop renewable business and they have low Scope 1 and 2 emissions. The screening carried out concluded that this category represented approximately 2ktCO₂ in 2024 (0.004% of total scope 3 emissions), hence it was not included in the GHG inventory

Other (upstream)

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

Not other upstream emission are considered

Other (downstream)

(7.8.1) Evaluation status

Select from:

☒ Not relevant, explanation provided

(7.8.5) Please explain

*Not other downstream emission are considered
[Fixed row]*

(7.8.1) Disclose or restate your Scope 3 emissions data for previous years.

Past year 1**(7.8.1.1) End date**

12/30/2023

(7.8.1.2) Scope 3: Purchased goods and services (metric tons CO2e)

4446364

(7.8.1.3) Scope 3: Capital goods (metric tons CO2e)

4369102

(7.8.1.4) Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

30991856

(7.8.1.5) Scope 3: Upstream transportation and distribution (metric tons CO2e)

9352

(7.8.1.6) Scope 3: Waste generated in operations (metric tons CO2e)

0

(7.8.1.7) Scope 3: Business travel (metric tons CO2e)

54388

(7.8.1.8) Scope 3: Employee commuting (metric tons CO2e)

31286

(7.8.1.9) Scope 3: Upstream leased assets (metric tons CO2e)

0

(7.8.1.10) Scope 3: Downstream transportation and distribution (metric tons CO2e)

0

(7.8.1.11) Scope 3: Processing of sold products (metric tons CO2e)

0

(7.8.1.12) Scope 3: Use of sold products (metric tons CO2e)

16825951

(7.8.1.13) Scope 3: End of life treatment of sold products (metric tons CO2e)

0

(7.8.1.14) Scope 3: Downstream leased assets (metric tons CO2e)

0

(7.8.1.15) Scope 3: Franchises (metric tons CO2e)

0

(7.8.1.16) Scope 3: Investments (metric tons CO2e)

0

(7.8.1.17) Scope 3: Other (upstream) (metric tons CO2e)

0

(7.8.1.18) Scope 3: Other (downstream) (metric tons CO2e)

(7.8.1.19) Comment

The restated 2023 emissions for Scope 3 is 56,735,758tCO2eq (the original result was 6,533,423tCO2eq). It is important to note that the restated 2023 figures presented in the 2023 Sustainability report differ from the ones presented here. The adjustments made in the 2024 Annual report pertain to methodological changes
[Fixed row]

(7.9) Indicate the verification/assurance status that applies to your reported emissions.

	Verification/assurance status
Scope 1	Select from: ☒ Third-party verification or assurance process in place
Scope 2 (location-based or market-based)	Select from: ☒ Third-party verification or assurance process in place
Scope 3	Select from: ☒ Third-party verification or assurance process in place

[Fixed row]

(7.9.1) Provide further details of the verification/assurance undertaken for your Scope 1 emissions, and attach the relevant statements.

Row 1

(7.9.1.1) Verification or assurance cycle in place

Select from:

☒ Annual process

(7.9.1.2) Status in the current reporting year

Select from:

☒ Complete

(7.9.1.3) Type of verification or assurance

Select from:

☒ Reasonable assurance

(7.9.1.4) Attach the statement

ghg-inventory-2024.pdf

(7.9.1.5) Page/section reference

Verification statement from DNV is available on pg 32-35 of the 2024 GHG inventory report (from 01/01/24 to 31/12/24 pg 34). Page 32 confirms that DNV conducted the verification with reasonable assurance for all Scope 1 and Scope 2 emissions and limited assurance for Scope 3. The verification followed the protocol "ISO 14064-3: 2019." (pg 34). On Page 32 total verified Scope 1, 2, and 3 emissions are listed, consistent with those on pg 30-31, and provides the audit firm's assurance opinion

(7.9.1.6) Relevant standard

Select from:

☒ ISO14064-3

(7.9.1.7) Proportion of reported emissions verified (%)

100

[Add row]

(7.9.2) Provide further details of the verification/assurance undertaken for your Scope 2 emissions and attach the relevant statements.

Row 1

(7.9.2.1) Scope 2 approach

Select from:

☒ Scope 2 location-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☒ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☒ Complete

(7.9.2.4) Type of verification or assurance

Select from:

☒ Reasonable assurance

(7.9.2.5) Attach the statement

ghg-inventory-2024.pdf

(7.9.2.6) Page/ section reference

Verification statement from DNV is available on pg 32-35 of the 2024 GHG inventory report (from 01/01/24 to 31/12/24 pg 34). Page 32 confirms that DNV conducted the verification with reasonable assurance for all Scope 1 and Scope 2 emissions and limited assurance for Scope 3. The verification followed the protocol "ISO

14064-3: 2019.” (pg 34). On Page 32 total verified Scope 1, 2, and 3 emissions are listed, consistent with those on pg 30-31, and provides the audit firm's assurance opinion

(7.9.2.7) Relevant standard

Select from:

☒ ISO14064-3

(7.9.2.8) Proportion of reported emissions verified (%)

100

Row 2

(7.9.2.1) Scope 2 approach

Select from:

☒ Scope 2 market-based

(7.9.2.2) Verification or assurance cycle in place

Select from:

☒ Annual process

(7.9.2.3) Status in the current reporting year

Select from:

☒ Complete

(7.9.2.4) Type of verification or assurance

Select from:

☒ Reasonable assurance

(7.9.2.5) Attach the statement

ghg-inventory-2024.pdf

(7.9.2.6) Page/ section reference

Verification statement from DNV is available on pg 32-35 of the 2024 GHG inventory report (from 01/01/24 to 31/12/24 pg 34). Page 32 confirms that DNV conducted the verification with reasonable assurance for all Scope 1 and Scope 2 emissions and limited assurance for Scope 3. The verification followed the protocol “ISO 14064-3: 2019.” (pg 34). On Page 32 total verified Scope 1, 2, and 3 emissions are listed, consistent with those on pg 30-31, and provides the audit firm's assurance opinion

(7.9.2.7) Relevant standard

Select from:

☒ ISO14064-3

(7.9.2.8) Proportion of reported emissions verified (%)

100

[Add row]

(7.9.3) Provide further details of the verification/assurance undertaken for your Scope 3 emissions and attach the relevant statements.

Row 1

(7.9.3.1) Scope 3 category

Select all that apply

☒ Scope 3: Capital goods

☒ Scope 3: Business travel

☒ Scope 3: Employee commuting

☒ Scope 3: Upstream transportation and distribution

☒ Scope 3: Fuel and energy-related activities (not included in Scopes 1 or 2)

- ☒ Scope 3: Use of sold products
- ☒ Scope 3: Purchased goods and services

(7.9.3.2) Verification or assurance cycle in place

Select from:

- ☒ Annual process

(7.9.3.3) Status in the current reporting year

Select from:

- ☒ Complete

(7.9.3.4) Type of verification or assurance

Select from:

- ☒ Limited assurance

(7.9.3.5) Attach the statement

ghg-inventory-2024.pdf

(7.9.3.6) Page/section reference

Verification statement from DNV is available on pg 32-35 of the 2024 GHG inventory report (from 01/01/24 to 31/12/24 pg 34). Page 32 confirms that DNV conducted the verification with reasonable assurance for all Scope 1 and Scope 2 emissions and limited assurance for Scope 3. The verification followed the protocol "ISO 14064-3: 2019." (pg 34). On Page 32 total verified Scope 1, 2, and 3 emissions are listed, consistent with those on pg 30-31, and provides the audit firm's assurance opinion

(7.9.3.7) Relevant standard

Select from:

- ☒ ISO14064-3

(7.9.3.8) Proportion of reported emissions verified (%)

100

[Add row]

(7.10) How do your gross global emissions (Scope 1 and 2 combined) for the reporting year compare to those of the previous reporting year?

Select from:☒ Decreased

(7.10.1) Identify the reasons for any change in your gross global emissions (Scope 1 and 2 combined), and for each of them specify how your emissions compare to the previous year.

Change in renewable energy consumption

(7.10.1.1) Change in emissions (metric tons CO₂e)

154788

(7.10.1.2) Direction of change in emissions*Select from:*☒ Decreased**(7.10.1.3) Emissions value (percentage)**

0.4

(7.10.1.4) Please explain calculation

In 2024, scope 2 emissions from electricity consumption (market-based) were reduced by 16% compared to 2023 restated, from 941613 down to 786825 tCO₂, which entails a difference of 154788 tons CO₂, as consequence of a reduction in the electricity consumed in power generation assets and company buildings, along with the

improvement in the local emission factors in some countries where the Group operates Compared to our total combined Scope 1 and Scope 2 (market-based) emissions in 2023 (38935141 tons CO₂), they resulted in a decrease of 0.38% (154788 tons CO₂e / 38935141 Scope1+2) *100 = 0.40% decrease

Other emissions reduction activities

(7.10.1.1) Change in emissions (metric tons CO₂e)

63380

(7.10.1.2) Direction of change in emissions

Select from:

☒ Decreased

(7.10.1.3) Emissions value (percentage)

0.2

(7.10.1.4) Please explain calculation

In 2024, 63380 tons of CO₂e were avoided due to the implementation of solar and wind renewable projects. More detailed information in question 7.55.2 Compared to combined Scope 1 and Scope 2 emissions (market-based) reduction in 2023 (38935141tons CO₂e) they resulted in a reduction of 0.2% (63380 tCO₂e avoided / 38935141 scope 1+2) *100 = 0.2% reduction

Divestment

(7.10.1.1) Change in emissions (metric tons CO₂e)

1411723

(7.10.1.2) Direction of change in emissions

Select from:

☒ Decreased

(7.10.1.3) Emissions value (percentage)

3.6

(7.10.1.4) Please explain calculation

*In 2024, 1411723 tons of CO2 were avoided due to the disposal of assets in Peru in Scope 1 and Scope 2. This figure has been estimated by comparing GHG emissions from Peru in 2023 with their emissions in 2024 until their disposal (2278294 - 866571=1411723tCO2e) Compared to our total combined Scope 1 and Scope 2 (market-based) emissions in 2023 (38935141 tons CO2), they resulted in a decrease of 6.3% (1,411,723 tons CO2e / 38935141 Scope1+2) *100 = 3.6% decrease*

Acquisitions**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change**(7.10.1.3) Emissions value (percentage)**

0

(7.10.1.4) Please explain calculation

NA

Mergers**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

(7.10.1.2) Direction of change in emissions*Select from:*☒ No change**(7.10.1.3) Emissions value (percentage)**

0

(7.10.1.4) Please explain calculation

NA

Change in output**(7.10.1.1) Change in emissions (metric tons CO₂e)**

12170613

(7.10.1.2) Direction of change in emissions*Select from:*☒ Decreased**(7.10.1.3) Emissions value (percentage)**

31.3

(7.10.1.4) Please explain calculation

*In 2024, thermoelectric production was reduced by 38% (from 55.5 TWh in 2023 to 34.4TWh in 2024), mainly due to: - a 78% reduction of coal production in Europe and the disposal of thermal power plants in Colombia in the Q4 2023. - an increase of 5% in renewable production, which contributed to displace energy production from fossil fuels. The changes in the output as consequence of lower thermal production resulted in a decrease of 12170613 tCO₂e in 2024 compared to 2023. Compared to our total combined Scope 1 and Scope 2 (market-based) emissions in 2023 (38,935,141 tons CO₂), they resulted in a decrease of 31.3% (12170613 tons CO₂e / 38,935,141 Scope1+2) *100 = 31.3% decrease*

Change in methodology

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

NA

Change in boundary

(7.10.1.1) Change in emissions (metric tons CO2e)

0

(7.10.1.2) Direction of change in emissions

Select from:

☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

NA

Change in physical operating conditions**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

(7.10.1.2) Direction of change in emissions*Select from:*☒ No change**(7.10.1.3) Emissions value (percentage)**

0

(7.10.1.4) Please explain calculation

NA

Unidentified**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

(7.10.1.2) Direction of change in emissions*Select from:*☒ No change

(7.10.1.3) Emissions value (percentage)

0

(7.10.1.4) Please explain calculation

NA

Other**(7.10.1.1) Change in emissions (metric tons CO2e)**

0

(7.10.1.2) Direction of change in emissions*Select from:*☒ No change**(7.10.1.3) Emissions value (percentage)**

0

(7.10.1.4) Please explain calculation

NA

*[Fixed row]***(7.10.2) Are your emissions performance calculations in 7.10 and 7.10.1 based on a location-based Scope 2 emissions figure or a market-based Scope 2 emissions figure?***Select from:*☒ Market-based

(7.12) Are carbon dioxide emissions from biogenic carbon relevant to your organization?

Select from:

☒ Yes**(7.12.1) Provide the emissions from biogenic carbon relevant to your organization in metric tons CO2.****(7.12.1.1) CO2 emissions from biogenic carbon (metric tons CO2)**

72411.4

(7.12.1.2) Comment

These emissions refer to CO2 emissions released in the biomass power plants for the production of electricity. While CH4 and N2O emissions are reported within Scope 1, these emissions are reported out of Scope 1 in our GHG inventory following the GHG protocol guidelines. Direct biogenic CO2 emissions were equal to 72411 tCO2eq in 2024

*[Fixed row]***(7.15) Does your organization break down its Scope 1 emissions by greenhouse gas type?**

Select from:

☒ Yes**(7.15.1) Break down your total gross global Scope 1 emissions by greenhouse gas type and provide the source of each used global warming potential (GWP).****Row 1****(7.15.1.1) Greenhouse gas**

Select from:

☒ CO2

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

19663320

(7.15.1.3) GWP Reference

Select from:

☒ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 2

(7.15.1.1) Greenhouse gas

Select from:

☒ CH4

(7.15.1.2) Scope 1 emissions (metric tons of CO2e)

360401

(7.15.1.3) GWP Reference

Select from:

☒ IPCC Sixth Assessment Report (AR6 - 100 year)

Row 3

(7.15.1.1) Greenhouse gas

Select from:

☒ N2O

(7.15.1.2) Scope 1 emissions (metric tons of CO₂e)

34066

(7.15.1.3) GWP Reference*Select from:*☒ IPCC Sixth Assessment Report (AR6 - 100 year)**Row 4****(7.15.1.1) Greenhouse gas***Select from:*☒ HFCs**(7.15.1.2) Scope 1 emissions (metric tons of CO₂e)**

7859

(7.15.1.3) GWP Reference*Select from:*☒ IPCC Sixth Assessment Report (AR6 - 100 year)**Row 5****(7.15.1.1) Greenhouse gas***Select from:*☒ SF₆**(7.15.1.2) Scope 1 emissions (metric tons of CO₂e)**

147593

(7.15.1.3) GWP Reference*Select from:*☒ IPCC Sixth Assessment Report (AR6 - 100 year)**Row 6****(7.15.1.1) Greenhouse gas***Select from:*☒ NF3**(7.15.1.2) Scope 1 emissions (metric tons of CO₂e)**

0

(7.15.1.3) GWP Reference*Select from:*☒ IPCC Sixth Assessment Report (AR6 - 100 year)*[Add row]*

(7.15.3) Break down your total gross global Scope 1 emissions from electric utilities value chain activities by greenhouse gas type.

Fugitives**(7.15.3.1) Gross Scope 1 CO₂ emissions (metric tons CO₂)**

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH₄)

12441.2

(7.15.3.3) Gross Scope 1 SF₆ emissions (metric tons SF₆)

6

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO₂e)

494702.75

(7.15.3.5) Comment

IPCC Fifth Assessment Report (AR6 – 100 year). Gross Scope 1 methane emissions: It considers both biogenic CH₄ fugitive emissions from water reservoirs (hydropower) and fossil fuel CH₄ fugitive emissions from Gas power plants. Gross Scope 1 SF₆ emissions: It considers SF₆ leakages in power plants and grids infrastructure

Combustion (Electric utilities)**(7.15.3.1) Gross Scope 1 CO₂ emissions (metric tons CO₂)**

19113098

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH₄)

449.348

(7.15.3.3) Gross Scope 1 SF₆ emissions (metric tons SF₆)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO₂e)

19125634.65

(7.15.3.5) Comment

Most of the company's Scope 1 emissions are originated from the energy production in thermal power plants fueled by coal, oil & gas and combined cycles. In particular, CO2 emissions are emitted from fossil fuels combustion processes and CH4 emissions from fossil fuel and also biomass combustion.

Combustion (Gas utilities)**(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)**

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

0

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

0

(7.15.3.5) Comment

NA

Combustion (Other)**(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)**

550222

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

27.059

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

550977.191

(7.15.3.5) Comment

This category includes: - Emissions from company fleet - Emissions from buildings (e.g. boilers used for heating purposes, canteens, etc.). - Auxiliary services in power plants and grids infrastructure - CO2 and CH4 emissions from coal and LNG transportation in own vessels

Emissions not elsewhere classified**(7.15.3.1) Gross Scope 1 CO2 emissions (metric tons CO2)**

0

(7.15.3.2) Gross Scope 1 methane emissions (metric tons CH4)

0

(7.15.3.3) Gross Scope 1 SF6 emissions (metric tons SF6)

0

(7.15.3.4) Total gross Scope 1 emissions (metric tons CO2e)

37995

(7.15.3.5) Comment

These emissions come from the following sources: - N2O emissions from fossil fuel and biomass combustion (in power plants, fleets and buildings) - NF3 leaks from solar panel's production - HFCs leaks
[Fixed row]

(7.16) Break down your total gross global Scope 1 and 2 emissions by country/area.

Argentina

(7.16.1) Scope 1 emissions (metric tons CO2e)

66891

Brazil

(7.16.1) Scope 1 emissions (metric tons CO2e)

109602

Chile

(7.16.1) Scope 1 emissions (metric tons CO2e)

2375709

Colombia

(7.16.1) Scope 1 emissions (metric tons CO2e)

1363146

Costa Rica

(7.16.1) Scope 1 emissions (metric tons CO2e)

391

Guatemala

(7.16.1) Scope 1 emissions (metric tons CO2e)

242

India

(7.16.1) Scope 1 emissions (metric tons CO2e)

91

Italy

(7.16.1) Scope 1 emissions (metric tons CO2e)

5385251

Mexico

(7.16.1) Scope 1 emissions (metric tons CO2e)

23498

Panama

(7.16.1) Scope 1 emissions (metric tons CO2e)

5314

Peru

(7.16.1) Scope 1 emissions (metric tons CO2e)

859583

Portugal**(7.16.1) Scope 1 emissions (metric tons CO2e)**

531028

South Africa**(7.16.1) Scope 1 emissions (metric tons CO2e)**

49

Spain**(7.16.1) Scope 1 emissions (metric tons CO2e)**

9456491

United States of America**(7.16.1) Scope 1 emissions (metric tons CO2e)**

32023

*[Fixed row]***(7.17) Indicate which gross global Scope 1 emissions breakdowns you are able to provide.***Select all that apply*☒ By business division

(7.17.1) Break down your total gross global Scope 1 emissions by business division.

	Business division	Scope 1 emissions (metric ton CO2e)
Row 1	<i>Electricity Power Generation</i>	<i>19647590</i>
Row 2	<i>Distribution</i>	<i>442956</i>
Row 3	<i>Services</i>	<i>118764</i>

[Add row]

(7.19) Break down your organization's total gross global Scope 1 emissions by sector production activity in metric tons CO2e.**Electric utility activities****(7.19.1) Gross Scope 1 emissions, metric tons CO2e**

20213240

(7.19.3) Comment

In 2024, Scope 1 GHG emissions were 20,213,240 tCO2eq, accounting for 29% of total GHG emissions and resulting in a significant reduction compared to 2023 (41.4% reduction). The share of Scope 1 GHG emissions (including CO2, CH4 and N2O) relating to the combustion of fuels for power generation accounted for more than 94.8% of the total Scope 1 value. These emissions, amounting to 19,156,301 tCO2eq, were reduced by 41.5% compared to 2023, thanks to a 38% reduction in thermal power generation resulting from lower coal-fired and CCGT. In addition, power generation from renewables has increased by 5% since 2023, contributing to displace power generation from fossil fuels

[Fixed row]

(7.22) Break down your gross Scope 1 and Scope 2 emissions between your consolidated accounting group and other entities included in your response.

Consolidated accounting group

(7.22.1) Scope 1 emissions (metric tons CO2e)

19678282.5

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

3130118.45

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

4895648.97

(7.22.4) Please explain

Information is aligned with Annual financial statement.

All other entities

(7.22.1) Scope 1 emissions (metric tons CO2e)

531027.53

(7.22.2) Scope 2, location-based emissions (metric tons CO2e)

1045.31

(7.22.3) Scope 2, market-based emissions (metric tons CO2e)

2626.86

(7.22.4) Please explain*Emissions from PEGO power plant.**[Fixed row]***(7.23) Is your organization able to break down your emissions data for any of the subsidiaries included in your CDP response?***Select from:*☒ Yes**(7.23.1) Break down your gross Scope 1 and Scope 2 emissions by subsidiary.****Row 1****(7.23.1.1) Subsidiary name***ENDESA***(7.23.1.2) Primary activity***Select from:*☒ Electricity networks**(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary***Select all that apply*☒ ISIN code – bond**(7.23.1.4) ISIN code – bond***ES0130670112*

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

10023469

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

245471

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

691294

(7.23.1.15) Comment

We are reporting the emissions related to the subsidiary Endesa, since it is required by the investors to disclose the emissions publicly.
<https://www.endesa.com/es/nuestro-compromiso/transicion-energetica/descarbonizacion>

Row 2**(7.23.1.1) Subsidiary name**

ENEL AMERICAS

(7.23.1.2) Primary activity

Select from:

☒ Electricity networks**(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary**

Select all that apply

☒ ISIN code – bond**(7.23.1.4) ISIN code – bond**

US29274FAF18

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

2405000

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

624000

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

0

(7.23.1.15) Comment

We are reporting the emissions related to the subsidiary Enel Americas, since it is required by the investors to disclose the emissions publicly.
<https://www.enelamericas.com/es/inversionistas/a201609-informes-de-sostenibilidad.html>

Row 3**(7.23.1.1) Subsidiary name**

ENEL CHILE

(7.23.1.2) Primary activity

Select from:

☒ Electricity networks**(7.23.1.3) Select the unique identifier you are able to provide for this subsidiary**

Select all that apply

☒ ISIN code – bond

(7.23.1.4) ISIN code – bond

US29278D1054

(7.23.1.12) Scope 1 emissions (metric tons CO2e)

2375709

(7.23.1.13) Scope 2, location-based emissions (metric tons CO2e)

3013

(7.23.1.14) Scope 2, market-based emissions (metric tons CO2e)

0

(7.23.1.15) Comment

*We are reporting the emissions related to the subsidiary Enel Chile, since it is required by the investors to disclose the emissions publicly.
<https://www.enel.cl/content/dam/enel-cl/sostenibilidad/informes-de-sostenibilidad/enel-chile/2024/Suplemento-ASG-Enel-Chile-2024.pdf>
 [Add row]*

(7.29) What percentage of your total operational spend in the reporting year was on energy?

Select from:

☒ More than 5% but less than or equal to 10%**(7.30) Select which energy-related activities your organization has undertaken.**

	Indicate whether your organization undertook this energy-related activity in the reporting year
Consumption of fuel (excluding feedstocks)	<i>Select from:</i> ☒ Yes
Consumption of purchased or acquired electricity	<i>Select from:</i> ☒ Yes
Consumption of purchased or acquired heat	<i>Select from:</i> ☒ No
Consumption of purchased or acquired steam	<i>Select from:</i> ☒ No
Consumption of purchased or acquired cooling	<i>Select from:</i> ☒ No
Generation of electricity, heat, steam, or cooling	<i>Select from:</i> ☒ Yes

[Fixed row]

(7.30.1) Report your organization's energy consumption totals (excluding feedstocks) in MWh.

Consumption of fuel (excluding feedstock)

(7.30.1.1) Heating value

Select from:

☒ LHV (lower heating value)

(7.30.1.2) MWh from renewable sources

14690000

(7.30.1.3) MWh from non-renewable sources

153290000

(7.30.1.4) Total (renewable + non-renewable) MWh

167980000.00

Consumption of purchased or acquired electricity**(7.30.1.1) Heating value***Select from:*☒ Unable to confirm heating value**(7.30.1.2) MWh from renewable sources**

203282

(7.30.1.3) MWh from non-renewable sources

2338687

(7.30.1.4) Total (renewable + non-renewable) MWh

2541969.00

Consumption of self-generated non-fuel renewable energy**(7.30.1.1) Heating value***Select from:*

☒ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

2185212

(7.30.1.4) Total (renewable + non-renewable) MWh

2185212.00

Total energy consumption

(7.30.1.1) Heating value

Select from:

☒ Unable to confirm heating value

(7.30.1.2) MWh from renewable sources

17078494

(7.30.1.3) MWh from non-renewable sources

155628687

(7.30.1.4) Total (renewable + non-renewable) MWh

172707181.00

[Fixed row]

(7.30.6) Select the applications of your organization's consumption of fuel.

	Indicate whether your organization undertakes this fuel application
Consumption of fuel for the generation of electricity	<i>Select from:</i> ☒ Yes
Consumption of fuel for the generation of heat	<i>Select from:</i> ☒ No
Consumption of fuel for the generation of steam	<i>Select from:</i> ☒ No
Consumption of fuel for the generation of cooling	<i>Select from:</i> ☒ No
Consumption of fuel for co-generation or tri-generation	<i>Select from:</i> ☒ No

[Fixed row]

(7.30.7) State how much fuel in MWh your organization has consumed (excluding feedstocks) by fuel type.

Sustainable biomass

(7.30.7.1) Heating value

Select from:

☒ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

180000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

180000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

No comments.

Other biomass**(7.30.7.1) Heating value**

Select from:

☒ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

0

(7.30.7.3) MWh fuel consumed for self-generation of electricity

0

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

No comments.

Other renewable fuels (e.g. renewable hydrogen)**(7.30.7.1) Heating value***Select from:*☒ LHV**(7.30.7.2) Total fuel MWh consumed by the organization**

14510000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

14510000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment*Geothermal fluid***Coal****(7.30.7.1) Heating value***Select from:*☒ LHV**(7.30.7.2) Total fuel MWh consumed by the organization**

7670000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

7670000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

No comments.

Oil**(7.30.7.1) Heating value**

Select from:

☒ LHV

(7.30.7.2) Total fuel MWh consumed by the organization

13710000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

13710000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

No comments.

Gas**(7.30.7.1) Heating value***Select from:*☒ LHV**(7.30.7.2) Total fuel MWh consumed by the organization**

51510000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

51510000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment

CCGT

Other non-renewable fuels (e.g. non-renewable hydrogen)**(7.30.7.1) Heating value***Select from:*☒ LHV**(7.30.7.2) Total fuel MWh consumed by the organization**

80400000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

80400000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment*Uranium and Gasoil***Total fuel****(7.30.7.1) Heating value***Select from:*☒ LHV**(7.30.7.2) Total fuel MWh consumed by the organization**

167980000

(7.30.7.3) MWh fuel consumed for self-generation of electricity

167980000

(7.30.7.4) MWh fuel consumed for self-generation of heat

0

(7.30.7.8) Comment*No comments.**[Fixed row]*

(7.30.16) Provide a breakdown by country/area of your electricity/heat/steam/cooling consumption in the reporting year.

Argentina

(7.30.16.1) Consumption of purchased electricity (MWh)

15367

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

15367.00

Brazil

(7.30.16.1) Consumption of purchased electricity (MWh)

111884

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

111884.00

Chile**(7.30.16.1) Consumption of purchased electricity (MWh)**

14911

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

14911.00

Colombia

(7.30.16.1) Consumption of purchased electricity (MWh)

128424

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

128424.00

Costa Rica**(7.30.16.1) Consumption of purchased electricity (MWh)**

421

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

421.00

Guatemala**(7.30.16.1) Consumption of purchased electricity (MWh)**

2460

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2460.00

India**(7.30.16.1) Consumption of purchased electricity (MWh)**

223

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

223.00

Italy**(7.30.16.1) Consumption of purchased electricity (MWh)**

1509453

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

1509453.00

Mexico**(7.30.16.1) Consumption of purchased electricity (MWh)**

751

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

751.00

Panama**(7.30.16.1) Consumption of purchased electricity (MWh)**

205

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)*0***(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)***205.00***Peru****(7.30.16.1) Consumption of purchased electricity (MWh)***8494***(7.30.16.2) Consumption of self-generated electricity (MWh)***0***(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)***0***(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)***0***(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)***8494.00***Portugal****(7.30.16.1) Consumption of purchased electricity (MWh)***0*

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

South Africa**(7.30.16.1) Consumption of purchased electricity (MWh)**

0

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

0.00

Spain**(7.30.16.1) Consumption of purchased electricity (MWh)**

747122

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

747122.00

United States of America**(7.30.16.1) Consumption of purchased electricity (MWh)**

2253

(7.30.16.2) Consumption of self-generated electricity (MWh)

0

(7.30.16.4) Consumption of purchased heat, steam, and cooling (MWh)

0

(7.30.16.5) Consumption of self-generated heat, steam, and cooling (MWh)

0

(7.30.16.6) Total electricity/heat/steam/cooling energy consumption (MWh)

2253.00

*[Fixed row]***(7.33) Does your electric utility organization have a transmission and distribution business?***Select from:*☒ Yes**(7.33.1) Disclose the following information about your transmission and distribution business.****Row 1****(7.33.1.1) Country/area/region***Select from:*☒ Italy**(7.33.1.2) Voltage level***Select from:*☒ Distribution (low voltage)**(7.33.1.3) Annual load (GWh)**

170327

(7.33.1.4) Annual energy losses (% of annual load)

3.31

(7.33.1.5) Scope where emissions from energy losses are accounted for*Select from:*☒ Scope 2 (location-based)**(7.33.1.6) Emissions from energy losses (metric tons CO2e)**

1791033

(7.33.1.7) Length of network (km)

1153225

(7.33.1.8) Number of connections

30934772

(7.33.1.9) Area covered (km2)

279513

(7.33.1.10) Comment

For the calculation of Scope 2 emissions, only the technical losses were taken into account. Figures here reported refer to the Italian market which in addition to the Spanish market represent Enel's prevalent business and markets of operation.

Row 2**(7.33.1.1) Country/area/region***Select from:*

☒ Spain

(7.33.1.2) Voltage level

Select from:

☒ Distribution (low voltage)

(7.33.1.3) Annual load (GWh)

148032

(7.33.1.4) Annual energy losses (% of annual load)

2.71

(7.33.1.5) Scope where emissions from energy losses are accounted for

Select from:

☒ Scope 2 (location-based)

(7.33.1.6) Emissions from energy losses (metric tons CO₂e)

247467

(7.33.1.7) Length of network (km)

320329

(7.33.1.8) Number of connections

12604259

(7.33.1.9) Area covered (km²)

195882

(7.33.1.10) Comment

For the calculation of Scope 2 emissions, only the technical losses were taken into account. Figures here reported refer to the Spanish market which in addition to the Italian market represent Enel's prevalent business and markets of operation.

[Add row]

(7.45) Describe your gross global combined Scope 1 and 2 emissions for the reporting year in metric tons CO2e per unit currency total revenue and provide any additional intensity metrics that are appropriate to your business operations.

Row 1**(7.45.1) Intensity figure**

0.00029565

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

23340474

(7.45.3) Metric denominator

Select from:

☒ unit total revenue

(7.45.4) Metric denominator: Unit total

78947000000

(7.45.5) Scope 2 figure used

Select from:

☒ Location-based

(7.45.6) % change from previous year

25

(7.45.7) Direction of change

Select from:

☒ Decreased

(7.45.8) Reasons for change

Select all that apply

☒ Other emissions reduction activities

☒ Change in revenue

(7.45.9) Please explain

In 2024, the intensity figure decreased approximately 25% vs. 2023 (0.00039439 tCO₂eq/euro). Scope 1 CO₂e emissions in 2024 amounted to 20,209,310 tCO₂eq and 0.101 tCO₂eq/MWh (-72.2% compared to 2017), in line with the SBTi Scope 1 emissions reduction target for 2030. Compared to the previous year, the Group achieved a 26.3% reduction in direct and indirect GHG emissions across the entire value chain. The share of Scope 1 GHG emissions (including CO₂, CH₄ and N₂O) related to fuel combustion process for power generation accounted for more than 94.8% of the total value of Scope 1. These emissions, which amounted 19,156,301 tCO₂eq, were reduced by 41.5 % compared to 2023 restated emissions as consequence of a remarkable reduction in thermoelectric production with respect to 2023 (thermoelectric production was reduced by 38%. Renewable energy production was increased by 13% compared to 2022 (with an outstanding increase of solar production by 19%). Scope 2 GHG emissions in 2024 amounted to 3,131,164 tCO₂eq according to the location-based approach, being 1.5 % lower than 2023 restated emissions. The two sources related to Scope 2 emissions experienced a decreased with respect to 2022 restated emissions. In particular: • Scope 2 emissions from electricity consumed by the Group decreased by 28.4% as consequence of a reduction in the electricity consumed in power generation assets and company buildings, along with the improvement in the local emission factors in some countries where the Group operates, amounting to 508,816 tCO₂eq, considering location-based approach. • Scope 2 emissions from technical networks losses increased by 6.2%, as consequence of increase in energy considered in distribution activities, amounting to 3,131,164 tCO₂eq, considering location-based approach. Additionally, there has been a decrease in sales revenues of energy commodities, in particular gas and electricity.

Row 2

(7.45.1) Intensity figure

0.12164523

(7.45.2) Metric numerator (Gross global combined Scope 1 and 2 emissions, metric tons CO2e)

23340474

(7.45.3) Metric denominator*Select from:*☒ megawatt hour generated (MWh)**(7.45.4) Metric denominator: Unit total**

191873318

(7.45.5) Scope 2 figure used*Select from:*☒ Location-based**(7.45.6) % change from previous year**

33

(7.45.7) Direction of change*Select from:*☒ Decreased**(7.45.8) Reasons for change***Select all that apply*

- ☒ Change in renewable energy consumption
- ☒ Other emissions reduction activities
- ☒ Change in output

(7.45.9) Please explain

In 2024, the intensity figure decreased approximately 33 % vs. 2023 (0.160 tCO₂eq/MWh). During 2024 energy consumption with origin certificates from renewables amounted 203282 MWh. Scope 1 CO₂e emissions in 2024 amounted to 20,209,310 tCO₂eq and 0.101 tCO₂eq/MWh (-72.2% vs 2017), in line with the SBTi scope 1 emissions reduction target for 2030). Compared to the previous year, the Group managed to reduce direct and indirect GHG emissions by 26.3% along the entire value chain. Scope 1 GHG emissions in 2024 amounted to 20,209,310 tCO₂eq (-72.2% vs 2017), entailing a significant reduction with respect to 2023 emissions (41.4 % lower). The share of Scope 1 GHG emissions (including CO₂, CH₄ and N₂O) related to fuel combustion process for power generation accounted for more than 94.8% of the total value of Scope 1. Scope 2 GHG emissions in 2024 amounted to 3,131,164 tCO₂eq according to the location-based approach, being 1.5 % lower than 2023 restated emissions. The two sources related to Scope 2 emissions experienced a decreased with respect to 2022 restated emissions. In particular: • Scope 2 emissions from electricity consumed by the Group decreased by 28.4% as consequence of a reduction in the electricity consumed in power generation assets and company buildings, along with the improvement in the local emission factors in some countries where the Group operates, amounting to 508,816 tCO₂eq, considering location-based approach. • Scope 2 emissions from technical networks losses increased by 6.2%, as consequence of increase in energy considered in distribution activities, amounting to 3,131,164 tCO₂eq, considering location-based approach.

[Add row]

(7.46) For your electric utility activities, provide a breakdown of your Scope 1 emissions and emissions intensity relating to your total power plant capacity and generation during the reporting year by source.

Coal – hard

(7.46.1) Absolute scope 1 emissions (metric tons CO₂e)

2630571

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

- ☒ Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

1106.68

(7.46.4) Scope 1 emissions intensity (Net generation)

1106.68

Oil**(7.46.1) Absolute scope 1 emissions (metric tons CO2e)**

5612439

(7.46.2) Emissions intensity based on gross or net electricity generation*Select from:*☒ Net**(7.46.3) Scope 1 emissions intensity (Gross generation)**

1001.15

(7.46.4) Scope 1 emissions intensity (Net generation)

1001.15

Gas**(7.46.1) Absolute scope 1 emissions (metric tons CO2e)**

10902950

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

412.82

(7.46.4) Scope 1 emissions intensity (Net generation)

412.82

Sustainable biomass

(7.46.1) Absolute scope 1 emissions (metric tons CO₂e)

1279

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

35.53

(7.46.4) Scope 1 emissions intensity (Net generation)

35.53

Nuclear

(7.46.1) Absolute scope 1 emissions (metric tons CO₂e)

2083

(7.46.2) Emissions intensity based on gross or net electricity generation*Select from:*☒ Net**(7.46.3) Scope 1 emissions intensity (Gross generation)**

0.09

(7.46.4) Scope 1 emissions intensity (Net generation)

0.09

Geothermal**(7.46.1) Absolute scope 1 emissions (metric tons CO2e)**

9777

(7.46.2) Emissions intensity based on gross or net electricity generation*Select from:*☒ Net**(7.46.3) Scope 1 emissions intensity (Gross generation)**

1.78

(7.46.4) Scope 1 emissions intensity (Net generation)

1.78

Hydropower

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

365298

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

5.68

(7.46.4) Scope 1 emissions intensity (Net generation)

5.68

Wind

(7.46.1) Absolute scope 1 emissions (metric tons CO2e)

355

(7.46.2) Emissions intensity based on gross or net electricity generation

Select from:

☒ Net

(7.46.3) Scope 1 emissions intensity (Gross generation)

0.01

(7.46.4) Scope 1 emissions intensity (Net generation)

0.01

Solar**(7.46.1) Absolute scope 1 emissions (metric tons CO2e)**

496

(7.46.2) Emissions intensity based on gross or net electricity generation*Select from:*☒ Net**(7.46.3) Scope 1 emissions intensity (Gross generation)**

0.03

(7.46.4) Scope 1 emissions intensity (Net generation)

0.03

Total**(7.46.1) Absolute scope 1 emissions (metric tons CO2e)**

19525247

(7.46.2) Emissions intensity based on gross or net electricity generation*Select from:*☒ Net

(7.46.4) Scope 1 emissions intensity (Net generation)

101.76

*[Fixed row]***(7.52) Provide any additional climate-related metrics relevant to your business.****Row 1****(7.52.1) Description***Select from:*☒ Waste**(7.52.2) Metric value**

3775638

(7.52.3) Metric numerator*Tons***(7.52.4) Metric denominator (intensity metric only)***N/A***(7.52.5) % change from previous year**

0.04

(7.52.6) Direction of change*Select from:*

☒ Decreased

(7.52.7) Please explain

Waste produced in 2024 amounted to 3.7 Mt (-45% down on 2017), a moderate decrease compared with 2023 (-0.04%), as a consequence of the reduced output of coal-fired thermoelectric plants. The vast majority of waste produced (98%) is classified as non-hazardous, mainly consisting of inert waste from construction and demolition, coal ash and excavated earth and rocks. Hazardous waste amounted to a significantly smaller portion (0.04 Mt) of total waste produced, equal to 2%, which was slightly lower compared to 2023 (0.07 Mt). Optimal waste management is a strategic objective of Enel's environmental policy, which results in a constant commitment to reducing waste generation, as well as to constantly devising new methods of reusing, recycling and recovering waste in the perspective of a circular economy of resources, in line with the principles indicated by the new community standard ESRS E5 "Resource use and circular economy". For several years, we have been pursuing an important target of reducing waste produced by direct, operational and maintenance (O&M – Operation and Maintenance) activities carried out on our plants. The ongoing energy transition and Enel's strategic decision to progressively close its coal-fired thermal plants ahead of schedule by 2027 have already in recent years led to a drastic reduction in the quantities of waste produced by these plants, which once accounted for the majority of the Group's internal production. It is therefore envisaged that the production – and subsequent disposal – of ash from coal and gypsum from desulfurization will go to zero. The target commits the Company to a 55% reduction in waste produced by direct and contracted O&M activities in 2030 compared with the base year 2017.

[Add row]

(7.53) Did you have an emissions target that was active in the reporting year?

Select all that apply

☒ Absolute target

☒ Intensity target

(7.53.1) Provide details of your absolute emissions targets and progress made against those targets.

Row 1

(7.53.1.1) Target reference number

Select from:

☒ Abs 2

(7.53.1.2) Is this a science-based target?

Select from:

☒ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.1.3) Science Based Targets initiative official validation letter

SBTiValidationLetter_SBTiCertificate 2025.pdf

(7.53.1.4) Target ambition

Select from:

☒ 1.5°C aligned

(7.53.1.5) Date target was set

02/21/2023

(7.53.1.6) Target coverage

Select from:

☒ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

☒ Methane (CH₄)

☒ Nitrous oxide (N₂O)

☒ Carbon dioxide (CO₂)

☒ Perfluorocarbons (PFCs)

☒ Hydrofluorocarbons (HFCs)

☒ Sulphur hexafluoride (SF₆)

☒ Nitrogen trifluoride (NF₃)

(7.53.1.8) Scopes

Select all that apply

☒ Scope 3

(7.53.1.10) Scope 3 categories

Select all that apply

☒ Scope 3, Category 11 – Use of sold products

(7.53.1.11) End date of base year

12/29/2017

(7.53.1.24) Base year Scope 3, Category 11: Use of sold products emissions covered by target (metric tons CO2e)

23039013

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

23039013.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

23039013.000

(7.53.1.45) Base year Scope 3, Category 11: Use of sold products emissions covered by target as % of total base year emissions in Scope 3, Category 11: Use of sold products (metric tons CO2e)

100

(7.53.1.52) Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

32.68

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

32.68

(7.53.1.54) End date of target

12/30/2040

(7.53.1.55) Targeted reduction from base year (%)

100

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

0.000

(7.53.1.69) Scope 3, Category 11: Use of sold products emissions in reporting year covered by target (metric tons CO2e)

14284105

(7.53.1.76) Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

14284105.000

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

14284105.000

(7.53.1.78) Land-related emissions covered by target

Select from:

☒ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

38.00

(7.53.1.80) Target status in reporting year

Select from:

☒ Underway**(7.53.1.82) Explain target coverage and identify any exclusions**

The target was validated by SBTi in 2022 and published in 2023. The target considers indirect greenhouse gas emissions from sold products (category 11), related to the use of natural gas sold to end customers. The 2025, 2026, 2030 and 2040 targets, and also the baseline of 2017, were recalculated after updating the calculation method for aligning the volumes of natural gas sold to end customer according to the corresponding calorific value with the IPCC factor used. The target ambition is to reach a 55% reduction in 2017-2030 period while 90% reduction by 2040. The target was validated by the Science Based Target Initiative as coherent with a 1.5C pathway and according to the new Net Zero Standard.

(7.53.1.83) Target objective

We are committed to developing a business model in line with the Paris Agreement (COP 21) goals in order to limit the average global temperature increase to below 1.5 C and to achieve zero emissions by 2040. Therefore, the objective of this target is both representing an internal commitment to climate science and a public accountability measure for our investors and stakeholders, as well as reducing future compliance costs and minimizing risk exposure.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

In order to achieve such target, we will:

- *Promote the switch of customers from gas to electricity (especially residential customers) by pushing more efficient electrical technologies (e.g. heat pumps for home heating or induction hobs in kitchens), increasing the annual electricity unit consumption of B2C customers on the free market (Italy and Iberia) to approximately 3.5 MWh in 2030, thus increasing the customer electrification rate.*
- *Continue to invest in distribution networks by accompanying the growth of distributed generation and thus promoting the electrification of end customer consumption, up to approximately 6 million connections to distributed generation in 2030.*
- *Optimize the customer gas portfolio (industrial customers in particular), reducing the volume of gas sold to approximately 5.3 billion cubic meters in 2030.*
- *Exit the business of selling gas to retail customers by 2040.*
- *No use of carbon removal technologies to reach the target.*

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☒ No

Row 2

(7.53.1.1) Target reference number

Select from:

☒ Abs 3

(7.53.1.2) Is this a science-based target?

Select from:

☒ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.1.3) Science Based Targets initiative official validation letter

SBTiValidationLetter_SBTiCertificate 2025.pdf

(7.53.1.4) Target ambition

Select from:

☒ 1.5°C aligned

(7.53.1.5) Date target was set

02/21/2023

(7.53.1.6) Target coverage

Select from:

☒ Organization-wide

(7.53.1.7) Greenhouse gases covered by target

Select all that apply

- ☒ Methane (CH₄)
- ☒ Nitrous oxide (N₂O)
- ☒ Carbon dioxide (CO₂)
- ☒ Perfluorocarbons (PFCs)
- ☒ Hydrofluorocarbons (HFCs)
- ☒ Sulphur hexafluoride (SF₆)
- ☒ Nitrogen trifluoride (NF₃)

(7.53.1.8) Scopes

Select all that apply

- ☒ Scope 1
- ☒ Scope 2
- ☒ Scope 3

(7.53.1.9) Scope 2 accounting method

Select from:

- ☒ Location-based

(7.53.1.10) Scope 3 categories

Select all that apply

- ☒ Scope 3, Category 1 – Purchased goods and services
- ☒ Scope 3, Category 3 – Fuel- and energy- related activities (not included in Scope 1 or 2)
- ☒ Scope 3, Category 4 – Upstream transportation and distribution

(7.53.1.11) End date of base year

12/29/2017

(7.53.1.12) Base year Scope 1 emissions covered by target (metric tons CO₂e)

201284

(7.53.1.13) Base year Scope 2 emissions covered by target (metric tons CO2e)

4722504

(7.53.1.14) Base year Scope 3, Category 1: Purchased goods and services emissions covered by target (metric tons CO2e)

5538919

(7.53.1.16) Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target (metric tons CO2e)

14014820

(7.53.1.17) Base year Scope 3, Category 4: Upstream transportation and distribution emissions covered by target (metric tons CO2e)

27618

(7.53.1.31) Base year total Scope 3 emissions covered by target (metric tons CO2e)

19581357.000

(7.53.1.32) Total base year emissions covered by target in all selected Scopes (metric tons CO2e)

24505145.000

(7.53.1.33) Base year Scope 1 emissions covered by target as % of total base year emissions in Scope 1

0.3

(7.53.1.34) Base year Scope 2 emissions covered by target as % of total base year emissions in Scope 2

100.0

(7.53.1.35) Base year Scope 3, Category 1: Purchased goods and services emissions covered by target as % of total base year emissions in Scope 3, Category 1: Purchased goods and services (metric tons CO2e)

53.85

(7.53.1.37) Base year Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions covered by target as % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) (metric tons CO2e)

33.59

(7.53.1.38) Base year Scope 3, Category 4: Upstream transportation and distribution covered by target as % of total base year emissions in Scope 3, Category 4: Upstream transportation and distribution (metric tons CO2e)

100

(7.53.1.52) Base year total Scope 3 emissions covered by target as % of total base year emissions in Scope 3 (in all Scope 3 categories)

25.33

(7.53.1.53) Base year emissions covered by target in all selected Scopes as % of total base year emissions in all selected Scopes

15.71

(7.53.1.54) End date of target

12/30/2040

(7.53.1.55) Targeted reduction from base year (%)

90

(7.53.1.56) Total emissions at end date of target covered by target in all selected Scopes (metric tons CO2e)

2450514.500

(7.53.1.57) Scope 1 emissions in reporting year covered by target (metric tons CO2e)

226092

(7.53.1.58) Scope 2 emissions in reporting year covered by target (metric tons CO2e)

3131164

(7.53.1.59) Scope 3, Category 1: Purchased goods and services emissions in reporting year covered by target (metric tons CO2e)

3055801

(7.53.1.61) Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) emissions in reporting year covered by target (metric tons CO2e)

5724032

(7.53.1.62) Scope 3, Category 4: Upstream transportation and distribution emissions in reporting year covered by target (metric tons CO2e)

7518

(7.53.1.76) Total Scope 3 emissions in reporting year covered by target (metric tons CO2e)

8787351.000

(7.53.1.77) Total emissions in reporting year covered by target in all selected scopes (metric tons CO2e)

12144607.000

(7.53.1.78) Land-related emissions covered by target

Select from:

☒ No, it does not cover any land-related emissions (e.g. non-FLAG SBT)

(7.53.1.79) % of target achieved relative to base year

56.05

(7.53.1.80) Target status in reporting year

Select from:

☒ Underway

(7.53.1.82) Explain target coverage and identify any exclusions

The target considers (i) Scope 1 GHG emissions from fleet and buildings, and losses of SF6 in distribution assets; (ii) all Scope 2 emissions; (iii) Scope 3 emissions arising from the supply chain and all other activities related to the purchase and transportation of fuels. Provision is made for various levels of coverage of supply chain GHG emissions for the 2030 and 2040 targets permitted by the SBTi, resulting in two decarbonization curves: • the 2017-2030 roadmap covers specific supply chain categories that accounted for 40% of supplier emissions in 2017; • the 2017-2040 roadmap covers all supply categories included in the 2017-2030 roadmap plus some additional ones, which account for 54% of supplier emissions in 2017. The target ambition is to reach a 55% reduction in 2017-2030 period while 90% reduction by 2040. The target was validated by the Science Based Target Initiative as coherent with a 1.5C pathway and according to the new Net Zero Standard.

(7.53.1.83) Target objective

We are committed to developing a business model in line with the Paris Agreement (COP 21) goals in order to limit the average global temperature increase to below 1.5 C and to achieve zero emissions by 2040. Therefore, the objective of this target is both representing an internal commitment to climate science and a public accountability measure for our investors and stakeholders, as well as reducing future compliance costs and minimizing risk exposure.

(7.53.1.84) Plan for achieving target, and progress made to the end of the reporting year

In order to achieve such target, we will: • Invest a total of approximately €26 billion in grids over the period 2025-2027, of which 63% for maintenance, development and improvement in terms of resilience, quality and digitalization of the grids, therefore contributing to reduce grid losses and the related greenhouse gas emissions. Replace existing distribution grid infrastructure components with SF6-free solutions. • Phase out coal-fired generation by 2027, mitigating all GHG emissions related to coal supply. • Implement a circular procurement approach, increase the number of contracts that include the measurement of the carbon footprint of products and

services purchased by Enel by incentivizing their reduction in a decarbonization pathway shared with suppliers. Strengthen the dialogue with manufacturers of raw materials and other utilities to define effective and long-term common decarbonization strategies. • Zero emissions from gas extraction activities, the Group having completely exited from the business of both electricity generation from gas and gas sales to end customers. • Neutralize the residual share through carbon removal actions (purchase of certificates linked to nature-based or technology-based projects in voluntary carbon markets, according to international standards) if full mitigation of emissions is not feasible due to exogenous factors (technological, market or regulatory).

(7.53.1.85) Target derived using a sectoral decarbonization approach

Select from:

☒ No

[Add row]

(7.53.2) Provide details of your emissions intensity targets and progress made against those targets.

Row 1

(7.53.2.1) Target reference number

Select from:

☒ Int 1

(7.53.2.2) Is this a science-based target?

Select from:

☒ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.2.3) Science Based Targets initiative official validation letter

SBTiValidationLetter_SBTiCertificate 2025.pdf

(7.53.2.4) Target ambition

Select from:

☒ 1.5°C aligned

(7.53.2.5) Date target was set

02/21/2023

(7.53.2.6) Target coverage

Select from:

☒ Organization-wide

(7.53.2.7) Greenhouse gases covered by target

Select all that apply

☒ Methane (CH₄)

☒ Nitrous oxide (N₂O)

☒ Carbon dioxide (CO₂)

☒ Perfluorocarbons (PFCs)

☒ Hydrofluorocarbons (HFCs)

☒ Nitrogen trifluoride (NF₃)

☒ Sulphur hexafluoride (SF₆)

(7.53.2.8) Scopes

Select all that apply

☒ Scope 1

(7.53.2.11) Intensity metric

Select from:

☒ Metric tons CO₂e per megawatt hour (MWh)

(7.53.2.12) End date of base year

12/29/2017

(7.53.2.13) Intensity figure in base year for Scope 1*0.365***(7.53.2.33) Intensity figure in base year for all selected Scopes***0.3650000000***(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure***99***(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure***99***(7.53.2.55) End date of target***12/30/2040***(7.53.2.56) Targeted reduction from base year (%)***100***(7.53.2.57) Intensity figure at end date of target for all selected Scopes***0.0000000000***(7.53.2.58) % change anticipated in absolute Scope 1+2 emissions***-100***(7.53.2.60) Intensity figure in reporting year for Scope 1***0.101*

(7.53.2.80) Intensity figure in reporting year for all selected Scopes

0.1010000000

(7.53.2.81) Land-related emissions covered by target

Select from:

☒ Yes, it covers land-related emissions/removals associated with bioenergy and non-land related emissions (e.g. non-FLAG SBT with bioenergy)**(7.53.2.82) % of target achieved relative to base year**

72.33

(7.53.2.83) Target status in reporting year

Select from:

☒ Underway**(7.53.2.85) Explain target coverage and identify any exclusions**

This target considers all greenhouse gas emissions (including CO₂, CH₄ and N₂O) deriving from the power generation process compared to the total electricity generated by the Group (excluding electricity generation from pumping to avoid possible double counting in the Scope 2 emissions target). Marginal Scope 1 GHG emissions not directly related to the combustion process of fossil fuels for electricity generation in thermal power plants were excluded. The target ambition is to reach a 66% in 2017-2026 period, a 80% reduction in 2017-2030 period while 100% reduction by 2040. The target was validated by the Science Based Target Initiative as coherent with a 1.5C pathway in 2020 and it was updated during the pilot Net Zero Standard pilot in which Enel participated in 2021, validated by SBTi in 2022 and finally published in February 2023.

(7.53.2.86) Target objective

We are committed to develop a business model in line with the Paris Agreement (COP 21) goals in order to limit the average global temperature increase to below 1.5 C and to achieve zero emissions by 2040. Therefore, the objective of this target is both representing an internal commitment to climate science and a public accountability measure for our investors and stakeholders, as well as reducing future compliance costs and minimizing risk exposure.

(7.53.2.87) Plan for achieving target, and progress made to the end of the reporting year

In order to achieve the target, the main drivers considered are the following: • Gradual phase out of coal-fired capacity in the 2025-2027 period. • Invest €12 billion to accelerate the development of renewable energy by installing 12 GW of new renewable capacity during 2025-2027 (of which approximately 9 GW is consolidated), to reach 76 GW of renewable capacity by 2027 (including BESS). • Continue the process of decarbonizing electricity generation, bringing the capacity of the generation fleet to 79% renewable plants in 2027 (including BESS), reaching zeroemissions generation amounting to 86% of the total in that same year, considering consolidated and managed generation. • Continue the process of decarbonizing electricity generation, thanks to investments at Group level that will bring the capacity of the generation fleet to be approximately 85% renewable plants (including BESS) in 2030, thus reaching a zero-emission production level of approximately 90% of the total, considering consolidated and managed generation. • Exit from coal-fired generation, planned globally by 2027. • Exit the thermal electricity generation business, achieving a 100% zero-emissions renewable energy mix by 2040. • No use of carbon removal technologies to reach the target

(7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

☒ Yes

Row 2

(7.53.2.1) Target reference number

Select from:

☒ Int 3

(7.53.2.2) Is this a science-based target?

Select from:

☒ Yes, and this target has been approved by the Science Based Targets initiative

(7.53.2.3) Science Based Targets initiative official validation letter

SBTiValidationLetter_SBTiCertificate 2025.pdf

(7.53.2.4) Target ambition

Select from:

☒ 1.5°C aligned

(7.53.2.5) Date target was set

02/21/2023

(7.53.2.6) Target coverage*Select from:*☒ Organization-wide**(7.53.2.7) Greenhouse gases covered by target***Select all that apply*☒ Methane (CH₄)☒ Nitrous oxide (N₂O)☒ Carbon dioxide (CO₂)☒ Perfluorocarbons (PFCs)☒ Hydrofluorocarbons (HFCs)☒ Nitrogen trifluoride (NF₃)☒ Sulphur hexafluoride (SF₆)**(7.53.2.8) Scopes***Select all that apply*☒ Scope 1☒ Scope 3**(7.53.2.10) Scope 3 categories***Select all that apply*☒ Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)**(7.53.2.11) Intensity metric***Select from:*☒ Metric tons CO₂e per megawatt hour (MWh)

(7.53.2.12) End date of base year

12/29/2017

(7.53.2.13) Intensity figure in base year for Scope 1

0.241

(7.53.2.17) Intensity figure in base year for Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2)

0.091

(7.53.2.32) Intensity figure in base year for total Scope 3

0.0910000000

(7.53.2.33) Intensity figure in base year for all selected Scopes

0.3320000000

(7.53.2.34) % of total base year emissions in Scope 1 covered by this Scope 1 intensity figure

99

(7.53.2.38) % of total base year emissions in Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) covered by this Scope 3, Category 3: Fuel-and-energy-related activities (not included in Scopes 1 or 2) intensity figure

66

(7.53.2.53) % of total base year emissions in Scope 3 (in all Scope 3 categories) covered by this total Scope 3 intensity figure

66

(7.53.2.54) % of total base year emissions in all selected Scopes covered by this intensity figure

65

(7.53.2.55) End date of target

12/30/2040

(7.53.2.56) Targeted reduction from base year (%)

100

(7.53.2.57) Intensity figure at end date of target for all selected Scopes

0.0000000000

(7.53.2.58) % change anticipated in absolute Scope 1+2 emissions

-100

(7.53.2.59) % change anticipated in absolute Scope 3 emissions

-100

(7.53.2.60) Intensity figure in reporting year for Scope 1

0.062

(7.53.2.64) Intensity figure in reporting year for Scope 3, Category 3: Fuel- and energy-related activities

0.06

(7.53.2.79) Intensity figure in reporting year for total Scope 3

0.0600000000

(7.53.2.80) Intensity figure in reporting year for all selected Scopes

0.1220000000

(7.53.2.81) Land-related emissions covered by target

Select from:

☒ Yes, it covers land-related emissions/removals associated with bioenergy and non-land related emissions (e.g. non-FLAG SBT with bioenergy)**(7.53.2.82) % of target achieved relative to base year**

63.25

(7.53.2.83) Target status in reporting year

Select from:

☒ Underway**(7.53.2.85) Explain target coverage and identify any exclusions**

The target covers: This target considers the combination of the Group's direct GHG emissions (Scope 1, including CO₂, CH₄ and N₂O) from power generation and the Group's indirect GHG emissions (Scope 3) from the generation of electricity purchased and sold to end customers (which is an element of subcategory 3 - Fuel- and EnergyRelated Activities of the GHG protocol - Scope 3 standard), divided by electricity generation and purchases (excluding pumped storage generation). The remaining portion of Scope 3 – Category 3 is fully covered in ABS3 target and it refers to the extraction and transportation of fuels (coal, natural gas and fuel oil). The target ambition is to reach a 78% reduction in 2017-2030 period while 100% reduction by 2040. The target was validated by the Science Based Target Initiative as coherent with a 1.5C pathway and according to the new Net Zero Standard.

(7.53.2.86) Target objective

We are committed to develop a business model in line with the Paris Agreement (COP 21) goals in order to limit the average global temperature increase to below 1.5 C and to achieve zero emissions by 2040. Therefore, the objective of this target is both representing an internal commitment to climate science and a public accountability measure for our investors and stakeholders, as well as reducing future compliance costs and minimizing risk exposure.

(7.53.2.87) Plan for achieving target, and progress made to the end of the reporting year

In order to achieve the target, the main drivers considered are the following: • Increase the share of renewable energy sold to customers, increasing the Group's renewable production and optimizing the customer portfolio by continuing the strategy of balancing supply and demand. • In Europe, increase the share of sales to end customers at a fixed price covered by zero-emission production to approximately 85% in 2027. • In Latin America, maintain a business model focused on coverage from renewable sources of sales to end customers at a fixed price, also via PPA. • In North America, maintain 100% zero-emissions sales to end customers. • Continue the process of decarbonizing electricity generation, increasing the level of zero-emission production to 86% of the total in 2027, considering consolidated and managed production. • Continue the strategy of balancing supply and demand and increasing the share of electricity sold at a fixed price covered by carbon-free power generation. • Continue the process of decarbonizing electricity generation, increasing zeroemissions generation to about 90% of the total in 2030. • Achieve 100% sales of energy from zero-emission sources by 2040. • No use of carbon removal technologies to reach the target.

(7.53.2.88) Target derived using a sectoral decarbonization approach

Select from:

☒ Yes

[Add row]

(7.54) Did you have any other climate-related targets that were active in the reporting year?

Select all that apply

☒ Targets to increase or maintain low-carbon energy consumption or production

☒ Net-zero targets

☒ Other climate-related targets

(7.54.1) Provide details of your targets to increase or maintain low-carbon energy consumption or production.

Row 1

(7.54.1.1) Target reference number

Select from:

☒ Low 3

(7.54.1.2) Date target was set

12/30/2023

(7.54.1.3) Target coverage

Select from:

☒ Organization-wide

(7.54.1.4) Target type: energy carrier

Select from:

☒ Electricity

(7.54.1.5) Target type: activity

Select from:

☒ Production

(7.54.1.6) Target type: energy source

Select from:

☒ Low-carbon energy source(s)

(7.54.1.7) End date of base year

12/30/2023

(7.54.1.8) Consumption or production of selected energy carrier in base year (MWh)

165142000

(7.54.1.9) % share of low-carbon or renewable energy in base year

74.9

(7.54.1.10) End date of target

12/30/2025

(7.54.1.11) % share of low-carbon or renewable energy at end date of target

86

(7.54.1.12) % share of low-carbon or renewable energy in reporting year

82.08

(7.54.1.13) % of target achieved relative to base year

64.68

(7.54.1.14) Target status in reporting year*Select from:*☒ Underway**(7.54.1.16) Is this target part of an emissions target?***This target contributes to Int 1 and Int 3 emission targets and contributes to achieve zero emissions by 2040.***(7.54.1.17) Is this target part of an overarching initiative?***Select all that apply*☒ No, it's not part of an overarching initiative**(7.54.1.19) Explain target coverage and identify any exclusions***It includes renewables, BESS and nuclear consolidated production and renewables managed capacity as well.*

(7.54.1.20) Target objective

The objective is to achieve an emission GHG free production of 86% including nuclear, BESS and managed production by 2026

(7.54.1.21) Plan for achieving target, and progress made to the end of the reporting year

In the 2025-2027 Plan, gross capex in Integrated Businesses is expected to exceed €16 billion. Capex in Renewables is planned to stand at about €12 billion, with a flexible capital allocation and a selective approach aimed at maximizing returns and minimizing risks, while seizing brownfield opportunities and further improving profitability. Capacity is planned to increase by about 12 GW, with an improved technology mix that includes more than 70% onshore wind and programmable technologies (e.g. hydroelectric and batteries) to reach a total installed renewable capacity of about 76 GW in 2027. Total renewable generation will increase by more than 15% over the Plan period across all geographical areas, but primarily in Europe and the United States, which will contribute approximately 55% to the Group's total renewable generation in 2027. With regard to the ongoing decarbonization process, the 2025-2027 Strategic Plan envisages gradually eliminating investments in new carbon-intensive assets – already close to zero – until they are completely eliminated by 2027.

[Add row]

(7.54.2) Provide details of any other climate-related targets, including methane reduction targets.**Row 1****(7.54.2.1) Target reference number**

Select from:

☒ Oth 2

(7.54.2.2) Date target was set

12/30/2022

(7.54.2.3) Target coverage

Select from:

☒ Organization-wide

(7.54.2.4) Target type: absolute or intensity

Select from:

☒ Absolute

(7.54.2.5) Target type: category & metric (target numerator if reporting an intensity target)

Fossil fuel reduction target

☒ Other fossil fuel reduction target, please specify :Net installed coal capacity

(7.54.2.7) End date of base year

12/30/2022

(7.54.2.8) Figure or percentage in base year

6.6

(7.54.2.9) End date of target

12/30/2027

(7.54.2.10) Figure or percentage at end of date of target

0

(7.54.2.11) Figure or percentage in reporting year

5.72

(7.54.2.12) % of target achieved relative to base year

13.3333333333

(7.54.2.13) Target status in reporting year

Select from:

☒ Underway

(7.54.2.15) Is this target part of an emissions target?

This target contributes to Int 1 and Int 3 emission targets and contributes to achieve zero emissions by 2040.

(7.54.2.16) Is this target part of an overarching initiative?

Select all that apply

☒ No, it's not part of an overarching initiative

(7.54.2.18) Please explain target coverage and identify any exclusions

This target applies to the whole organization and aims in the end to achieve the phase-out of coal, which has been brought forward from 2030 to 2027.

(7.54.2.19) Target objective

We are committed to developing a business model in line with the Paris Agreement (COP 21) goals in order to limit the average global temperature increase to below 1.5 C and to achieve zero emissions by 2040. Therefore, the objective of this target is both representing an internal commitment to climate science and a public accountability measure for our investors and stakeholders, as well as reducing future compliance costs and minimizing risk exposure.

(7.54.2.20) Plan for achieving target, and progress made to the end of the reporting year

Over the last decade, Enel has progressively reduced its exposure to coal-fired generation, in line with the strategy undertaken in terms of decarbonization of generation. With the exit and decommissioning¹³ of the Fusina plant in Italy and As Pontes plant in Spain in 2023, five plants are still on operation: three in Italy, one in Spain and one in Colombia. The Group's phase-out of coal in Italy and Spain is in line with the two countries' objective of phasing out coal-fired power generation. The process of closing a coal-fired power plant is not solely the Group's responsibility, but is in fact subject to an approval procedure by the competent authorities. In line with the commitment to promote a just transition, the exit plan includes the maintenance and development of new skills and transfer of know-how for Enel people, together with projects developed by third parties that are in line with sustainability programs in agreement with local communities, with a view to promoting their economic and social development and general well-being.

[Add row]

(7.54.3) Provide details of your net-zero target(s).

Row 1**(7.54.3.1) Target reference number***Select from:*☒ NZ1**(7.54.3.2) Date target was set**

02/22/2023

(7.54.3.3) Target Coverage*Select from:*☒ Organization-wide**(7.54.3.4) Targets linked to this net zero target***Select all that apply*☒ Abs2☒ Abs3☒ Int1☒ Int3**(7.54.3.5) End date of target for achieving net zero**

12/30/2040

(7.54.3.6) Is this a science-based target?*Select from:*☒ Yes, and this target has been approved by the Science Based Targets initiative

(7.54.3.7) Science Based Targets initiative official validation letter

SBTiValidationLetter_SBTiCertificate 2025.pdf

(7.54.3.8) Scopes

Select all that apply

- ☒ Scope 1
- ☒ Scope 2
- ☒ Scope 3

(7.54.3.9) Greenhouse gases covered by target

Select all that apply

- | | |
|---|---|
| ☒ Methane (CH ₄) | ☒ Sulphur hexafluoride (SF ₆) |
| ☒ Nitrous oxide (N ₂ O) | ☒ Nitrogen trifluoride (NF ₃) |
| ☒ Carbon dioxide (CO ₂) | |
| ☒ Perfluorocarbons (PFCs) | |
| ☒ Hydrofluorocarbons (HFCs) | |

(7.54.3.10) Explain target coverage and identify any exclusions

Overall Net-Zero Target Enel commits to reach net-zero GHG emissions across the value chain by 2040. Near-Term Targets Enel commits to reduce scope 1 from power generation GHG emissions 80% per kWh by 2030 from a 2017 base year. Enel also commits to reduce scope 1 and 3 GHG emissions from fuel and energy related activities covering all sold electricity 78% per kWh by 2030 within the same timeframe. Enel further commits to reduce absolute scope 3 GHG emissions from the use of sold products 55% within the same timeframe. Enel finally commits to reduce absolute scope 1 and 2 non-power generation emissions and scope 3 GHG emissions covering purchased goods and services, capital goods, and all remaining fuel and energy related activities 55% within the same timeframe.. Long-Term Targets Enel commits to reach net-zero GHG emissions across the value chain by 2040. Enel commits to reduce scope 1 from power generation GHG emissions 100% per kWh by 2040 from a 2017 base year.* Enel also commits to reduce scope 1 and 3 GHG emissions from fuel and energy related activities covering all sold electricity 100% per kWh within the same timeframe. Enel further commits to reduce absolute scope 3 GHG emissions from use of sold products 100% within the same timeframe. Enel finally commits to reduce absolute scope 1 and 2 non-power generation emissions and scope 3 GHG emissions covering purchased goods and services, capital goods, and all remaining fuel and energy related activities 90% within the same timeframe.*

(7.54.3.11) Target objective

We are committed to developing a business model in line with the Paris Agreement (COP 21) goals in order to limit the average global temperature increase to below 1.5 C and to achieve zero emissions by 2040. Therefore, the objective of this target is both representing an internal commitment to climate science and a public accountability measure for our investors and stakeholders, as well as reducing future compliance costs and minimizing risk exposure.

(7.54.3.12) Do you intend to neutralize any residual emissions with permanent carbon removals at the end of the target?

Select from:

☒ Yes

(7.54.3.13) Do you plan to mitigate emissions beyond your value chain?

Select from:

☒ Yes, and we have already acted on this in the reporting year

(7.54.3.14) Do you intend to purchase and cancel carbon credits for neutralization and/or beyond value chain mitigation?

Select all that apply

☒ Yes, we are currently purchasing and cancelling carbon credits for beyond value chain mitigation

☒ Yes, we plan to purchase and cancel carbon credits for neutralization at the end of the target

(7.54.3.15) Planned milestones and/or near-term investments for neutralization at the end of the target

Enel is committed achieve Net-Zero emissions along the value chain by 2040, including both direct emissions (Scope 1) and indirect emissions (Scope 2 and 3). For a marginal share of emissions remaining in 2040 (with a volume of less than 2.5 MtCO₂eq), the Group is publicly committed to their neutralization both through direct and indirect investments in carbon removal (either through technological or nature-based solutions).

(7.54.3.16) Describe the actions to mitigate emissions beyond your value chain

Enel is proactively monitoring the evolution of the voluntary carbon markets to explore potential opportunities on the carbon removal field, including both technological and nature based solutions. During 2024, carbon credits in the voluntary market of 25,766 tCO₂eq were purchased and canceled to meet specific customer requests, hence for beyond value change mitigation reasons only and not as a driver to achieve our GHG reduction targets, since the Group does not rely on this option.

(7.54.3.17) Target status in reporting year

Select from: