

Directive 2003/87/EC of the European Parliament and of the Council of 13 October 2003 establishing a system for greenhouse gas emission allowance trading within the Union and amending Council Directive 96/61/EC (Text with EEA relevance)

[^{F1}CHAPTER III

STATIONARY INSTALLATIONS

Article 3h

Scope

The provisions of this Chapter shall apply to greenhouse gas emissions permits and the allocation and issue of allowances in respect of activities listed in Annex I other than aviation activities.]

[^{F2}Article 4

Greenhouse gas emissions permits

Member States shall ensure that, from 1 January 2005, no installation carries out any activity listed in Annex I resulting in emissions specified in relation to that activity unless its operator holds a permit issued by a competent authority in accordance with Articles 5 and 6, or the installation is excluded from the [^{F3}EU ETS] pursuant to Article 27. This shall also apply to installations opted in under Article 24.]

Textual Amendments

- F2** Substituted by [Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community \(Text with EEA relevance\)](#).
- F3** Substituted by [Directive \(EU\) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision \(EU\) 2015/1814 \(Text with EEA relevance\)](#).

Article 5

Applications for greenhouse gas emissions permits

An application to the competent authority for a greenhouse gas emissions permit shall include a description of:

- (a) the installation and its activities including the technology used;
- (b) the raw and auxiliary materials, the use of which is likely to lead to emissions of gases listed in Annex I;
- (c) the sources of emissions of gases listed in Annex I from the installation; and

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- (d) ^[F2]the measures planned to monitor and report emissions in accordance with the ^[F3]acts] referred to in Article 14.]

The application shall also include a non-technical summary of the details referred to in the first subparagraph.

Textual Amendments

- F2** Substituted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).

Article 6

Conditions for and contents of the greenhouse gas emissions permit

1 The competent authority shall issue a greenhouse gas emissions permit granting authorisation to emit greenhouse gases from all or part of an installation if it is satisfied that the operator is capable of monitoring and reporting emissions.

A greenhouse gas emissions permit may cover one or more installations on the same site operated by the same operator.

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- 2 Greenhouse gas emissions permits shall contain the following:
- a the name and address of the operator;
 - b a description of the activities and emissions from the installation;
 - ^[F2]c a monitoring plan that fulfils the requirements under the ^[F3]acts] referred to in Article 14. Member States may allow operators to update monitoring plans without changing the permit. Operators shall submit any updated monitoring plans to the competent authority for approval;]
 - d reporting requirements; and
 - ^[F5]e an obligation to surrender allowances, other than allowances issued under Chapter II, equal to the total emissions of the installation in each calendar year, as verified in accordance with Article 15, within four months following the end of that year.]

Textual Amendments

- F2** Substituted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F4** Deleted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).

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- F5** Substituted by [Directive 2008/101/EC of the European Parliament and of the Council of 19 November 2008 amending Directive 2003/87/EC so as to include aviation activities in the scheme for greenhouse gas emission allowance trading within the Community \(Text with EEA relevance\)](#).

[^{F2}Article 7

Changes relating to installations

The operator shall inform the competent authority of any planned changes to the nature or functioning of the installation, or any extension or significant reduction of its capacity, which may require updating the greenhouse gas emissions permit. Where appropriate, the competent authority shall update the permit. Where there is a change in the identity of the installation's operator, the competent authority shall update the permit to include the name and address of the new operator.]

Textual Amendments

- F2** Substituted by [Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community \(Text with EEA relevance\)](#).

[^{F3}Article 8

Coordination with Directive 2010/75/EU

Member States shall take the necessary measures to ensure that, where installations carry out activities that are included in Annex I to Directive 2010/75/EU of the European Parliament and of the Council⁽¹⁾, the conditions and procedure for the issue of a greenhouse gas emissions permit are coordinated with those for the issue of a permit provided for in that Directive. The requirements laid down in Articles 5, 6 and 7 of this Directive may be integrated into the procedures provided for in Directive 2010/75/EU.]

Textual Amendments

- F3** Substituted by [Directive \(EU\) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision \(EU\) 2015/1814 \(Text with EEA relevance\)](#).

[^{F2}Article 9

[^{F3}Union]-wide quantity of allowances

The [^{F3}Union-wide quantity of allowances issued each year starting in 2013 shall decrease in a linear manner beginning from the mid-point of the period from 2008 to 2012. The quantity shall decrease by a linear factor of 1,74 % compared to the average annual total quantity of allowances issued by Member States in accordance with the Commission Decisions on their national allocation plans for the period from 2008 to 2012. [^{F6}The Union]-wide quantity of allowances will be increased as a result of

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Croatia's accession only by the quantity of allowances that Croatia shall auction pursuant to Article 10(1).]

[^{F3}Starting in 2021, the linear factor shall be 2,2 %.]

Textual Amendments

- F2** Substituted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F6** Inserted by Treaty between the Kingdom of Belgium, the Republic of Bulgaria, the Czech Republic, the Kingdom of Denmark, the Federal Republic of Germany, the Republic of Estonia, Ireland, the Hellenic Republic, the Kingdom of Spain, the French Republic, the Italian Republic, the Republic of Cyprus, the Republic of Latvia, the Republic of Lithuania, the Grand Duchy of Luxembourg, the Republic of Hungary, the Republic of Malta, the Kingdom of the Netherlands, the Republic of Austria, the Republic of Poland, the Portuguese Republic, Romania, the Republic of Slovenia, the Slovak Republic, the Republic of Finland, the Kingdom of Sweden, the United Kingdom of Great Britain and Northern Ireland (Member States of the European Union) and the Republic of Croatia concerning the accession of the Republic of Croatia to the European Union.

[^{F7}Article 9a

Adjustment of the [^{F3}Union]-wide quantity of allowances

1 In respect of installations that were included in the [^{F3}EU ETS] during the period from 2008 to 2012 pursuant to Article 24(1), the quantity of allowances to be issued from 1 January 2013 shall be adjusted to reflect the average annual quantity of allowances issued in respect of those installations during the period of their inclusion, adjusted by the linear factor referred to in Article 9.

2 In respect of installations carrying out activities listed in Annex I, which are only included in the [^{F3}EU ETS] from 2013 onwards, Member States shall ensure that the operators of such installations submit to the relevant competent authority duly substantiated and independently verified emissions data in order for them to be taken into account for the adjustment of the [^{F3}Union]-wide quantity of allowances to be issued.

Any such data shall be submitted, by 30 April 2010, to the relevant competent authority in accordance with the provisions adopted pursuant to Article 14(1).

If the data submitted are duly substantiated, the competent authority shall notify the Commission thereof by 30 June 2010 and the quantity of allowances to be issued, adjusted by the linear factor referred to in Article 9, shall be adjusted accordingly. In the case of installations emitting greenhouse gases other than CO₂, the competent authority may notify a lower amount of emissions according to the emission reduction potential of those installations.

3 The Commission shall publish the adjusted quantities referred to in paragraphs 1 and 2 by 30 September 2010.

4 In respect of installations which are excluded from the [F³EU ETS] in accordance with Article 27, the [F³Union]-wide quantity of allowances to be issued from 1 January 2013 shall be adjusted downwards to reflect the average annual verified emissions of those installations in the period from 2008 to 2010, adjusted by the linear factor referred to in Article 9.]

Textual Amendments

- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F7** Inserted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).

[F²Article 10

Auctioning of allowances

[F³1 From 2019 onwards, Member States shall auction all allowances that are not allocated free of charge in accordance with Articles 10a and 10c of this Directive and that are not placed in the market stability reserve established by Decision (EU) 2015/1814 of the European Parliament and of the Council⁽²⁾ (the ‘market stability reserve’) or cancelled in accordance with Article 12(4) of this Directive.

From 2021 onwards, and without prejudice to a possible reduction pursuant to Article 10a(5a), the share of allowances to be auctioned shall be 57 %.

2 % of the total quantity of allowances between 2021 and 2030 shall be auctioned to establish a fund to improve energy efficiency and modernise the energy systems of certain Member States as set out in Article 10d (‘the Modernisation Fund’).

The total remaining quantity of allowances to be auctioned by Member States shall be distributed in accordance with paragraph 2.]

[F⁸1a Where the volume of allowances to be auctioned by Member States in the last year of each period referred to in [F³Article 13] of this Directive exceeds by more than 30 % the expected average auction volume for the first two years of the following period before application of Article 1(5) of Decision (EU) 2015/1814, two thirds of the difference between the volumes shall be deducted from the auction volumes in the last year of the period and added in equal instalments to the volumes to be auctioned by Member States in the first two years of the following period.]

2 The total quantity of allowances to be auctioned by each Member State shall be composed as follows:

- a [F³90 %] of the total quantity of allowances to be auctioned being distributed amongst Member States in shares that are identical to the share of verified emissions under the [F³EU ETS] for 2005 or the average of the period from 2005 to 2007, whichever one is the highest, of the Member State concerned;
- [F³b 10 % of the total quantity of allowances to be auctioned being distributed amongst certain Member States for the purposes of solidarity, growth and interconnections within the Union, thereby increasing the amount of allowances that those Member States auction under point (a) by the percentages specified in Annex IIa.]

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[^{F4}c 2 % of the total quantity of allowances to be auctioned being distributed amongst Member States the greenhouse gas emissions of which were, in 2005, at least 20 % below their emissions in the base year applicable to them under the Kyoto Protocol. The distribution of this percentage amongst the Member States concerned is set out in Annex IIb.]

For the purposes of point (a), in respect of Member States which did not participate in the [^{F3}EU ETS in 2005, their share shall be calculated using their verified emissions under the EU ETS] in 2007.

[^{F3}If necessary, the percentages referred to in point (b) shall be adapted in a proportional manner to ensure that the distribution is 10 %.]

3 Member States shall determine the use of revenues generated from the auctioning of allowances. At least 50 % of the revenues generated from the auctioning of allowances referred to in paragraph 2, including all revenues from the auctioning referred to in paragraph 2, points (b) and (c), or the equivalent in financial value of these revenues, should be used for one or more of the following:

- a to reduce greenhouse gas emissions, including by contributing to the Global Energy Efficiency and Renewable Energy Fund and to the Adaptation Fund as made operational by the Poznan Conference on Climate Change (COP 14 and COP/MOP 4), to adapt to the impacts of climate change and to fund research and development as well as demonstration projects for reducing emissions and for adaptation to climate change, including participation in initiatives within the framework of the European Strategic Energy Technology Plan and the European Technology Platforms;
- [^{F3}b to develop renewable energies to meet the commitment of the Union to renewable energies, as well as to develop other technologies that contribute to the transition to a safe and sustainable low-carbon economy, and to help to meet the commitment of the Union to increase energy efficiency, at the levels agreed in relevant legislative acts;]
- c measures to avoid deforestation and increase afforestation and reforestation in developing countries that have ratified the international agreement on climate change, to transfer technologies and to facilitate adaptation to the adverse effects of climate change in these countries;
- d forestry sequestration in the [^{F3}Union];
- e the environmentally safe capture and geological storage of CO₂, in particular from solid fossil fuel power stations and a range of industrial sectors and subsectors, including in third countries;
- f to encourage a shift to low-emission and public forms of transport;
- g to finance research and development in energy efficiency and clean technologies in the sectors covered by this Directive;
- [^{F3}h measures intended to improve energy efficiency, district heating systems and insulation, or to provide financial support in order to address social aspects in lower- and middle-income households;]
- i to cover administrative expenses of the management of the [^{F3}EU ETS][^{F3};]
- [^{F9}] to finance climate actions in vulnerable third countries, including the adaptation to the impacts of climate change;
- k to promote skill formation and reallocation of labour in order to contribute to a just transition to a low carbon economy, in particular in regions most affected by the transition of jobs, in close coordination with the social partners.]

Member States shall be deemed to have fulfilled the provisions of this paragraph if they have in place and implement fiscal or financial support policies, including in particular in developing countries, or domestic regulatory policies, which leverage

financial support, established for the purposes set out in the first subparagraph and which have a value equivalent to at least 50 % of the revenues generated from the auctioning of allowances referred to in paragraph 2, including all revenues from the auctioning referred to in paragraph 2, points (b) and (c).

Member States shall inform the Commission as to the use of revenues and the actions taken pursuant to this paragraph in their reports submitted under Decision No 280/2004/EC.

[^{F34} The Commission is empowered to adopt delegated acts in accordance with Article 23 to supplement this Directive concerning the timing, administration and other aspects of auctioning, in order to ensure that it is conducted in an open, transparent, harmonised and non-discriminatory manner. To that end, the process shall be predictable, in particular as regards the timing and sequencing of auctions and the estimated volumes of allowances to be made available.

Those delegated acts shall ensure that auctions are designed to ensure that:

- a operators, and in particular any small and medium-sized enterprises covered by the EU ETS, have full, fair and equitable access;
- b all participants have access to the same information at the same time and that participants do not undermine the operation of the auctions;
- c the organisation of, and participation in, the auctions is cost-efficient and undue administrative costs are avoided; and
- d access to allowances is granted to small emitters.]

Member States shall report on the proper implementation of the auctioning rules for each auction, in particular with respect to fair and open access, transparency, price formation and technical and operational aspects. These reports shall be submitted within one month of the auction concerned and shall be published on the Commission's website.

5 The Commission shall monitor the functioning of the European carbon market. [^{F3}Each year, it shall submit a report to the European Parliament and to the Council on the functioning of the carbon market and on other relevant climate and energy policies, including the operation of the auctions, liquidity and the volumes traded, and summarising the information provided by Member States on the financial measures referred to in Article 10a(6).] If necessary, Member States shall ensure that any relevant information is submitted to the Commission at least two months before the Commission adopts the report.]

Textual Amendments

- F2** Substituted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F4** Deleted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F8** Inserted by Decision (EU) 2015/1814 of the European Parliament and of the Council of 6 October 2015 concerning the establishment and operation of a market stability reserve for the Union greenhouse gas emission trading scheme and amending Directive 2003/87/EC (Text with EEA relevance).

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F9 Inserted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).

[^{F7}Article 10a

Transitional [^{F3}Union]-wide rules for harmonised free allocation

[^{F3}1 The Commission is empowered to adopt delegated acts in accordance with Article 23 to supplement this Directive concerning the Union-wide and fully harmonised rules for the allocation of allowances referred to in paragraphs 4, 5, 7 and 19 of this Article.]

The measures referred to in the first subparagraph shall, to the extent feasible, determine [^{F3}Union]-wide ex-ante benchmarks so as to ensure that allocation takes place in a manner that provides incentives for reductions in greenhouse gas emissions and energy efficient techniques, by taking account of the most efficient techniques, substitutes, alternative production processes, high efficiency cogeneration, efficient energy recovery of waste gases, use of biomass and capture and storage of CO₂, where such facilities are available, and shall not provide incentives to increase emissions. No free allocation shall be made in respect of any electricity production, except for cases falling within Article 10c and electricity produced from waste gases.

For each sector and subsector, in principle, the benchmark shall be calculated for products rather than for inputs, in order to maximise greenhouse gas emissions reductions and energy efficiency savings throughout each production process of the sector or the subsector concerned.

In defining the principles for setting ex-ante benchmarks in individual sectors and subsectors, the Commission shall consult the relevant stakeholders, including the sectors and subsectors concerned.

The Commission shall, upon the approval by the [^{F3}Union of an international agreement on climate change leading to mandatory reductions of greenhouse gas emissions comparable to those of the Union], review those measures to provide that free allocation is only to take place where this is fully justified in the light of that agreement.

2 In defining the principles for setting ex-ante benchmarks in individual sectors or subsectors, the starting point shall be the average performance of the 10 % most efficient installations in a sector or subsector in the [^{F3}Union] in the years 2007-2008. The Commission shall consult the relevant stakeholders, including the sectors and subsectors concerned.

The [^{F3}acts] pursuant to Articles 14 and 15 shall provide for harmonised rules on monitoring, reporting and verification of production-related greenhouse gas emissions with a view to determining the ex-ante benchmarks.

[^{F9}The Commission shall adopt implementing acts for the purpose of determining the revised benchmark values for free allocation. Those acts shall be in accordance with the delegated acts adopted pursuant to paragraph 1 of this Article and shall comply with the following:

- a For the period from 2021 to 2025, the benchmark values shall be determined on the basis of information submitted pursuant to Article 11 for the years 2016 and 2017. On the basis of a comparison of those benchmark values with the benchmark values contained in Commission Decision 2011/278/EU⁽³⁾, as adopted on 27 April 2011, the Commission shall determine the annual reduction rate for each benchmark, and shall apply it to the

benchmark values applicable in the period from 2013 to 2020 in respect of each year between 2008 and 2023 to determine the benchmark values for the period from 2021 to 2025.

- b Where the annual reduction rate exceeds 1,6 % or is below 0,2 %, the benchmark values for the period from 2021 to 2025 shall be the benchmark values applicable in the period from 2013 to 2020 reduced by whichever of those two percentage rates is relevant, in respect of each year between 2008 and 2023.
- c For the period from 2026 to 2030, the benchmark values shall be determined in the same manner as set out in points (a) and (b) on the basis of information submitted pursuant to Article 11 for the years 2021 and 2022 and on the basis of applying the annual reduction rate in respect of each year between 2008 and 2028.

By way of derogation regarding the benchmark values for aromatics, hydrogen and syngas, these benchmark values shall be adjusted by the same percentage as the refineries benchmarks in order to preserve a level playing field for producers of those products.

The implementing acts referred to in the third subparagraph shall be adopted in accordance with the examination procedure referred to in Article 22a(2).

In order to promote efficient energy recovery from waste gases, for the period referred to in point (b) of the third subparagraph, the benchmark value for hot metal, which predominantly relates to waste gases, shall be updated with an annual reduction rate of 0,2 %.]

3 Subject to paragraphs 4 and 8, and notwithstanding Article 10c, no free allocation shall be given to electricity generators, to installations for the capture of CO₂, to pipelines for transport of CO₂ or to CO₂ storage sites.

[^{F34} Free allocation shall be given to district heating as well as to high efficiency cogeneration, as defined by Directive 2012/27/EU of the European Parliament and of the Council⁽⁴⁾, for economically justifiable demand, in respect of the production of heating or cooling. In each year subsequent to 2013, the total allocation to such installations in respect of the production of that heat shall be adjusted by the linear factor referred to in Article 9 of this Directive, except for any year in which those allocations are adjusted in a uniform manner pursuant to paragraph 5 of this Article.]

[^{F35} In order to respect the auctioning share set out in Article 10, for every year in which the sum of free allocations does not reach the maximum amount that respects the auctioning share, the remaining allowances up to that amount shall be used to prevent or limit reduction of free allocations to respect the auctioning share in later years. Where, nonetheless, the maximum amount is reached, free allocations shall be adjusted accordingly. Any such adjustment shall be done in a uniform manner.]

[^{F05a} By way of derogation from paragraph 5, an additional amount of up to 3 % of the total quantity of allowances shall, to the extent necessary, be used to increase the maximum amount available under paragraph 5.

5b Where less than 3 % of the total quantity of allowances is needed to increase the maximum amount available under paragraph 5:

- a maximum of 50 million allowances shall be used to increase the amount of allowances available to support innovation in accordance with Article 10a(8); and
- a maximum of 0,5 % of the total quantity of allowances shall be used to increase the amount of allowances available to modernise the energy systems of certain Member States in accordance with Article 10d.]

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[^{F36} Member States should adopt financial measures in accordance with the second and fourth subparagraphs in favour of sectors or subsectors which are exposed to a genuine risk of carbon leakage due to significant indirect costs that are actually incurred from greenhouse gas emission costs passed on in electricity prices, provided that such financial measures are in accordance with State aid rules, and in particular do not cause undue distortions of competition in the internal market. Where the amount available for such financial measures exceeds 25 % of the revenues generated from the auctioning of allowances, the Member State concerned shall set out the reasons for exceeding that amount.

Member States shall also seek to use no more than 25 % of the revenues generated from the auctioning of allowances for the financial measures referred to in the first subparagraph. Within three months of the end of each year, Member States that have such financial measures in place shall make available to the public, in an easily accessible form, the total amount of compensation provided per benefitting sector and subsector. As from 2018, in any year in which a Member State uses more than 25 % of the revenues generated from the auctioning of allowances for such purposes, it shall publish a report setting out the reasons for exceeding that amount. The report shall include relevant information on electricity prices for large industrial consumers benefitting from such financial measures, without prejudice to requirements regarding the protection of confidential information. The report shall also include information on whether due consideration has been given to other measures to sustainably lower indirect carbon costs in the medium to long term.

The Commission shall include in the report provided for in Article 10(5), *inter alia*, an assessment of the effects of such financial measures on the internal market and, where appropriate, recommend any measures that may be necessary pursuant to that assessment.

Those measures shall be such as to ensure that there is adequate protection against the risk of carbon leakage, based on *ex-ante* benchmarks for the indirect emissions of CO₂ per unit of production. Those *ex-ante* benchmarks shall be calculated for a given sector or subsector as the product of the electricity consumption per unit of production corresponding to the most efficient available technologies and of the CO₂ emissions of the relevant European electricity production mix.]

7 [^{F3} Allowances from the maximum amount referred to in paragraph 5 of this Article which were not allocated for free by 2020 shall be set aside for new entrants, together with 200 million allowances placed in the market stability reserve pursuant to Article 1(3) of Decision (EU) 2015/1814. Of the allowances set aside, up to 200 million shall be returned to the market stability reserve at the end of the period from 2021 to 2030 if not allocated for that period.

From 2021, allowances that pursuant to paragraphs 19 and 20 are not allocated to installations shall be added to the amount of allowances set aside in accordance with the first sentence of the first subparagraph of this paragraph.]

Allocations shall be adjusted by the linear factor referred to in Article 9.

No free allocation shall be made in respect of any electricity production by new entrants.

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8 [^{F3} 325 million allowances from the quantity which could otherwise be allocated for free pursuant to this Article, and 75 million allowances from the quantity which could otherwise be auctioned pursuant to Article 10, shall be made available to support innovation in low-carbon

technologies and processes in sectors listed in Annex I, including environmentally safe carbon capture and utilisation ('CCU') that contributes substantially to mitigating climate change, as well as products substituting carbon intensive ones produced in sectors listed in Annex I, and to help stimulate the construction and operation of projects that aim at the environmentally safe capture and geological storage ('CCS') of CO₂, as well as of innovative renewable energy and energy storage technologies; in geographically balanced locations within the territory of the Union (the 'innovation fund'). Projects in all Member States, including small-scale projects, shall be eligible.

In addition, 50 million unallocated allowances from the market stability reserve shall supplement any remaining revenues from the 300 million allowances available in the period from 2013 to 2020 under Commission Decision 2010/670/EU⁽⁵⁾, and shall be used in a timely manner for innovation support as referred to in the first subparagraph.

Projects shall be selected on the basis of objective and transparent criteria, taking into account, where relevant, the extent to which projects contribute to achieving emission reductions well below the benchmarks referred to in paragraph 2. Projects shall have the potential for widespread application or to significantly lower the costs of transitioning towards a low-carbon economy in the sectors concerned. Projects involving CCU shall deliver a net reduction in emissions and ensure avoidance or permanent storage of CO₂. Technologies receiving support shall not yet be commercially available but shall represent breakthrough solutions or be sufficiently mature to be ready for demonstration at pre-commercial scale. Up to 60 % of the relevant costs of projects may be supported, out of which up to 40 % need not be dependent on verified avoidance of greenhouse gas emissions, provided that pre-determined milestones, taking into account the technology deployed, are attained.

The Commission is empowered to adopt delegated acts in accordance with Article 23 to supplement this Directive concerning rules on the operation of the innovation fund, including the selection procedure and criteria.]

Allowances shall be set aside for the projects that meet the criteria referred to in the third subparagraph. Support for these projects shall be given via Member States and shall be complementary to substantial co-financing by the operator of the installation. They could also be co-financed by the Member State concerned, as well as by other instruments. No project shall receive support via the mechanism under this paragraph that exceeds 15 % of the total number of allowances available for this purpose. These allowances shall be taken into account under paragraph 7.

[^{F39} Greece, which had a gross domestic product (GDP) per capita at market prices below 60 % of the Union average in 2014, may claim, prior to the application of paragraph 7 of this Article, up to 25 million allowances from the maximum amount referred to in paragraph 5 of this Article which are not allocated for free by 31 December 2020, for the co-financing of up to 60 % of the decarbonisation of the electricity supply of islands within its territory. Article 10d(3) shall apply *mutatis mutandis* to such allowances. Allowances may be claimed where, due to restricted access to the international debt markets, a project aiming at the decarbonisation of the electricity supply of Greece's islands could otherwise not be realised and where the European Investment Bank (EIB) confirms the financial viability and socio-economic benefits of the project.]

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11 Subject to Article 10b, the amount of allowances allocated free of charge under paragraphs 4 to 7 of this Article in 2013 shall be 80 % of the quantity determined in accordance with the measures referred to in paragraph 1. Thereafter the free allocation shall decrease each

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year by equal amounts resulting in 30 % free allocation in 2020 [^{F4}, with a view to reaching no free allocation in 2027].

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19 No free allocation shall be given to an installation that has ceased its operations, unless the operator demonstrates to the competent authority that this installation will resume production within a specified and reasonable time. Installations for which the greenhouse gas emissions permit has expired or has been withdrawn and installations for which the operation or resumption of operation is technically impossible shall be considered to have ceased operations.

[^{F3}20 The level of free allocations given to installations whose operations have increased or decreased, as assessed on the basis of a rolling average of two years, by more than 15 % compared to the level initially used to determine the free allocation for the relevant period referred to in Article 11(1) shall, as appropriate, be adjusted. Such adjustments shall be carried out with allowances from, or by adding allowances to, the amount of allowances set aside in accordance with paragraph 7 of this Article.]

[^{F9} In order to ensure the effective, non-discriminatory and uniform application of the adjustments and threshold referred to in paragraph 20 of this Article, to avoid any undue administrative burden, and to prevent manipulation or abuse of the adjustments to the allocation, the Commission may adopt implementing acts which define further arrangements for the adjustments. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 22a(2).]

Textual Amendments

- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F4** Deleted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F7** Inserted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F9** Inserted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).

F³ Article 10b

Transitional measures to support certain energy intensive industries in the event of carbon leakage

1 Sectors and subsectors in relation to which the product resulting from multiplying their intensity of trade with third countries, defined as the ratio between the total value of exports to third countries plus the value of imports from third countries and the total market size for the European Economic Area (annual turnover plus total imports from third countries), by their emission intensity, measured in kgCO₂, divided by their gross value added (in euros), exceeds 0,2, shall be deemed to be at risk of carbon leakage. Such sectors and subsectors shall be allocated allowances free of charge for the period until 2030 at 100 % of the quantity determined pursuant to Article 10a.

2 Sectors and subsectors in relation to which the product resulting from multiplying their intensity of trade with third countries by their emission intensity exceeds 0,15 may be included in the group referred to in paragraph 1, using data for the years from 2014 to 2016, on the basis of a qualitative assessment and of the following criteria:

- a the extent to which it is possible for individual installations in the sector or subsector concerned to reduce emission levels or electricity consumption;
- b current and projected market characteristics, including, where relevant, any common reference price;
- c profit margins as a potential indicator of long-run investment or relocation decisions, taking into account changes in costs of production relating to emission reductions.

3 Sectors and subsectors that do not exceed the threshold referred to in paragraph 1, but have an emission intensity measured in kgCO₂, divided by their gross value added (in euros), which exceeds 1,5, shall also be assessed at a 4-digit level (NACE-4 code). The Commission shall make the results of that assessment public.

Within three months of the publication referred to in the first subparagraph, the sectors and subsectors referred to in that subparagraph may apply to the Commission for either a qualitative assessment of their carbon leakage exposure at a 4-digit level (NACE-4 code) or an assessment on the basis of the classification of goods used for statistics on industrial production in the Union at an 8-digit level (Prodcom). To that end, sectors and subsectors shall submit duly substantiated, complete and independently verified data to enable the Commission to carry out the assessment together with the application.

Where a sector or subsector chooses to be assessed at a 4-digit level (NACE-4 code), it may be included in the group referred to in paragraph 1 on the basis of the criteria referred to in points (a), (b) and (c) of paragraph 2. Where a sector or subsector chooses to be assessed at an 8-digit level (Prodcom), it shall be included in the group referred to in paragraph 1 provided that, at that level, the threshold of 0,2 referred to in paragraph 1 is exceeded.

Sectors and subsectors for which free allocation is calculated on the basis of the benchmark values referred to in the fourth subparagraph of Article 10a(2) may also request to be assessed in accordance with the third subparagraph of this paragraph.

By way of derogation from paragraphs 1 and 2, a Member State may request, by 30 June 2018, that a sector or subsector listed in the Annex to Commission Decision 2014/746/EU⁽⁶⁾ in respect of classifications at a 6-digit or an 8-digit level (Prodcom) be considered to be included in the group referred to in paragraph 1. Any

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such request shall only be considered where the requesting Member State establishes that the application of that derogation is justified on the basis of duly substantiated, complete, verified and audited data for the five most recent years provided by the sector or subsector concerned, and includes all relevant information with its request. On the basis of those data, the sector or subsector concerned shall be included in respect of those classifications where, within a heterogeneous 4-digit level (NACE-4 code), it is shown that it has a substantially higher trade and emission intensity at a 6-digit or an 8-digit level (Prodcom), exceeding the threshold set out in paragraph 1.

4 Other sectors and subsectors are considered to be able to pass on more of the costs of allowances in product prices, and shall be allocated allowances free of charge at 30 % of the quantity determined pursuant to Article 10a. Unless otherwise decided in the review pursuant to Article 30, free allocations to other sectors and subsectors, except district heating, shall decrease by equal amounts after 2026 so as to reach a level of no free allocation in 2030.

5 The Commission is empowered to adopt, by 31 December 2019, delegated acts in accordance with Article 23 to supplement this Directive concerning the determination of sectors and subsectors deemed at risk of carbon leakage, as referred to in paragraphs 1, 2 and 3 of this Article, for activities at a 4-digit level (NACE-4 code) as far as paragraph 1 of this Article is concerned, based on data for the three most recent calendar years available.

Textual Amendments

- F3** Substituted by [Directive \(EU\) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision \(EU\) 2015/1814 \(Text with EEA relevance\)](#).
- F7** Inserted by [Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community \(Text with EEA relevance\)](#).

Article 10c

Option for transitional free allocation for the modernisation of the energy sector

1 By way of derogation from Article 10a(1) to (5), Member States which had in 2013 a GDP per capita at market prices (in euros) below 60 % of the Union average may give a transitional free allocation to installations for electricity generation for the modernisation, diversification and sustainable transformation of the energy sector. The investments supported shall be consistent with the transition to a safe and sustainable low-carbon economy, the objectives of the Union's 2030 climate and energy policy framework, and reaching the long-term objectives expressed in the Paris Agreement. The derogation provided for in this paragraph shall end on 31 December 2030.

2 The Member State concerned shall organise a competitive bidding process, to take place in one or more rounds between 2021 and 2030, for projects involving a total amount of investment exceeding EUR 12,5 million, in order to select the investments to be financed with free allocation. That competitive bidding process shall:

- a comply with the principles of transparency, non-discrimination, equal treatment and sound financial management;
- b ensure that only projects which contribute to the diversification of their energy mix and sources of supply, the necessary restructuring, environmental upgrading and retrofitting of the infrastructure, clean technologies, such as renewable energy technologies, or

- modernisation of the energy production sector, such as efficient and sustainable district heating, and of the transmission and distribution sector, are eligible to bid;
- c define clear, objective, transparent and non-discriminatory selection criteria for the ranking of projects, so as to ensure that only projects are selected which:
- (i) on the basis of a cost-benefit analysis, ensure a net positive gain in terms of emission reduction and realise a pre-determined significant level of CO₂ reductions taking into account the size of the project;
 - (ii) are additional, clearly respond to replacement and modernisation needs and do not supply a market-driven increase in energy demand;
 - (iii) offer the best value for money; and
 - (iv) do not contribute to or improve the financial viability of highly emission-intensive electricity generation or increase dependency on emission-intensive fossil fuels.

By way of derogation from Article 10(1) and without prejudice to the last sentence of paragraph 1 of this Article, in the event that an investment selected through the competitive bidding process is cancelled or the intended performance is not reached, the earmarked allowances may be used through a single additional round of the competitive bidding process at the earliest one year thereafter to finance other investments.

By 30 June 2019, any Member State intending to make use of optional transitional free allocation for the modernisation of the energy sector shall publish a detailed national framework setting out the competitive bidding process, including the planned number of rounds referred to in the first subparagraph, and the selection criteria, for public comment.

Where investments with a value of less than EUR 12,5 million are to be supported with free allocation and are not selected through the competitive bidding process referred to in this paragraph, the Member State shall select projects based on objective and transparent criteria. The results of this selection process shall be published for public comment. On this basis, the Member State concerned shall, by 30 June 2019, establish, publish and submit to the Commission a list of investments. Where more than one investment is carried out within the same installation, they shall be assessed as a whole to establish whether or not the value threshold of EUR 12,5 million is exceeded, unless those investments are, independently, technically or financially viable.

3 The value of the intended investments shall at least equal the market value of the free allocation, while taking into account the need to limit directly linked price increases. The market value shall be the average of the price of allowances on the common auction platform in the preceding calendar year. Up to 70 % of the relevant costs of an investment may be supported using the free allocation, provided that the remaining costs are financed by private legal entities.

4 Transitional free allocations shall be deducted from the quantity of allowances that the Member State would otherwise auction. The total free allocation shall be no more than 40 % of the allowances which the Member State concerned will receive, pursuant to Article 10(2)(a), in the period from 2021 to 2030, spread out in equal annual volumes over that period.

5 Where a Member State, pursuant to Article 10d(4), uses allowances distributed for the purposes of solidarity, growth and interconnections within the Union in accordance with Article 10(2)(b), that Member State may, by way of derogation from paragraph 4 of this Article, use for transitional free allocation a total quantity of up to 60 % of the allowances received in

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the period from 2021 to 2030 pursuant to Article 10(2)(a), using a corresponding amount of the allowances distributed in accordance with Article 10(2)(b).

Any allowances not allocated under this Article by 2020 may be allocated over the period from 2021 to 2030 to investments selected through the competitive bidding process referred to in paragraph 2, unless the Member State concerned informs the Commission by 30 September 2019 of its intention not to allocate some or all of those allowances over the period from 2021 to 2030, and of the amount of allowances to be auctioned instead in 2020. Where such allowances are allocated over the period from 2021 to 2030, a corresponding amount of allowances shall be taken into account for the application of the 60 % limit set out in the first subparagraph of this paragraph.

6 Allocations to operators shall be made upon demonstration that an investment selected in accordance with the rules of the competitive bidding process has been carried out. Where an investment leads to additional electricity generation capacity, the operator concerned shall also demonstrate that a corresponding amount of electricity-generation capacity with higher emission intensity has been decommissioned by it or another associated operator by the start of operation of the additional capacity.

7 Member States shall require benefiting electricity generators and network operators to report, by 28 February of each year, on the implementation of their selected investments, including the balance of free allocation and investment expenditure incurred and the types of investments supported. Member States shall report on this to the Commission, and the Commission shall make such reports public.]]

Textual Amendments

- F3** Substituted by [Directive \(EU\) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision \(EU\) 2015/1814 \(Text with EEA relevance\)](#).
- F7** Inserted by [Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community \(Text with EEA relevance\)](#).

[^{F9}Article 10d

Modernisation Fund

1 A fund to support investments proposed by the beneficiary Member States, including the financing of small-scale investment projects, to modernise energy systems and improve energy efficiency, in Member States with a GDP per capita at market prices below 60 % of the Union average in 2013 (the 'Modernisation Fund'), shall be established for the period from 2021 to 2030. The Modernisation Fund shall be financed through the auctioning of allowances as set out in Article 10.

The investments supported shall be consistent with the aims of this Directive, as well as the objectives of the Union's 2030 climate and energy policy framework and the long-term objectives as expressed in the Paris Agreement. No support from the Modernisation Fund shall be provided to energy generation facilities that use solid fossil fuels, other than efficient and sustainable district heating in Member States with a GDP per capita at market prices below 30 % of the Union average in 2013, provided that an amount of allowances of at least an equivalent value is used for investments under Article 10c that do not involve solid fossil fuels.

2 At least 70 % of the financial resources from the Modernisation Fund shall be used to support investments in the generation and use of electricity from renewable sources, the improvement of energy efficiency, except energy efficiency relating to energy generation using solid fossil fuels, energy storage and the modernisation of energy networks, including district heating pipelines, grids for electricity transmission and the increase of interconnections between Member States, as well as to support a just transition in carbon-dependent regions in the beneficiary Member States, so as to support the redeployment, re-skilling and up-skilling of workers, education, job-seeking initiatives and start-ups, in dialogue with the social partners. Investments in energy efficiency in transport, buildings, agriculture and waste shall also be eligible.

3 The Modernisation Fund shall operate under the responsibility of the beneficiary Member States. The EIB shall ensure that the allowances are auctioned in accordance with the principles and modalities laid down in Article 10(4), and shall be responsible for managing the revenues. The EIB shall pass on the revenues to the Member States upon a disbursement decision from the Commission, where this disbursement for investments is in line with paragraph 2 of this Article or, where the investments do not fall into the areas listed in paragraph 2 of this Article, is in line with the recommendations of the investment committee. The Commission shall adopt its decision in a timely manner. The revenues shall be distributed amongst the Member States and according to the shares set out in Annex IIB, in accordance with paragraphs 6 to 12 of this Article.

4 Any Member State concerned may use the total free allocation granted pursuant to Article 10c(4), or part of that allocation, and the amount of allowances distributed for the purposes of solidarity, growth and interconnections within the Union in accordance with Article 10(2)(b), or part of that amount, in accordance with Article 10d, to support investments within the framework of the Modernisation Fund, thereby increasing the resources distributed to that Member State. By 30 September 2019, the Member State concerned shall notify the Commission of the respective amounts of allowances to be used under Article 10(2)(b), Article 10c and Article 10d.

5 An investment committee for the Modernisation Fund is hereby established. The investment committee shall be composed of a representative from each beneficiary Member State, the Commission and the EIB, and three representatives elected by the other Member States for a period of five years. It shall be chaired by the representative of the Commission. One representative of each Member State that is not a member of the investment committee may attend meetings of the committee as an observer.

The investment committee shall operate in a transparent manner. The composition of the investment committee and the curricula vitae and declarations of interests of its members shall be made available to the public and, where necessary, updated.

6 Before a beneficiary Member State decides to finance an investment from its share in the Modernisation Fund, it shall present the investment project to the investment committee and to the EIB. Where the EIB confirms that an investment falls into the areas listed in paragraph 2, the Member State may proceed to finance the investment project from its share.

Where an investment in the modernisation of energy systems, which is proposed to be financed from the Modernisation Fund, does not fall into the areas listed in paragraph 2, the investment committee shall assess the technical and financial viability of that investment, including the emission reductions it achieves, and issue a recommendation on financing the investment from the Modernisation Fund. The investment committee shall ensure that any investment relating to district heating achieves a substantial improvement in energy efficiency and emission reductions. That recommendation may include suggestions regarding appropriate financing instruments. Up to 70 % of the

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relevant costs of an investment which does not fall into the areas listed in paragraph 2 may be supported with resources from the Modernisation Fund provided that the remaining costs are financed by private legal entities.

7 The investment committee shall strive to adopt its recommendations by consensus. If the investment committee is not able to decide by consensus within a deadline set by the chairman, it shall take a decision by simple majority.

If the representative of the EIB does not endorse financing an investment, a recommendation shall only be adopted if a majority of two-thirds of all members vote in favour. The representative of the Member State in which the investment is to take place and the representative of the EIB shall not be entitled to cast a vote in this case. This subparagraph shall not apply to small-scale projects funded through loans provided by a national promotional bank or through grants contributing to the implementation of a national programme serving specific objectives in line with the objectives of the Modernisation Fund, provided that not more than 10 % of the Member States' share set out in Annex IIb is used under the programme.

8 Any acts or recommendations by the EIB or the investment committee made pursuant to paragraphs 6 and 7 shall be made in a timely manner and state the reasons on which they are based. Such acts and recommendations shall be made public.

9 The beneficiary Member States shall be responsible for following up on the implementation with respect to selected projects.

10 The beneficiary Member States shall report annually to the Commission on investments financed by the Modernisation Fund. The report shall be made public and include:

- a information on the investments financed per beneficiary Member State;
- b an assessment of the added value, in terms of energy efficiency or modernisation of the energy system, achieved through the investment.

11 The investment committee shall report annually to the Commission on experience with the evaluation of investments. By 31 December 2024, taking into consideration the findings of the investment committee, the Commission shall review the areas for projects referred to in paragraph 2 and the basis on which the investment committee bases its recommendations.

12 The Commission shall adopt implementing acts concerning detailed rules on the operation of the Modernisation Fund. Those implementing acts shall be adopted in accordance with the examination procedure referred to in Article 22a(2).]

Textual Amendments

- F9** Inserted by [Directive \(EU\) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision \(EU\) 2015/1814 \(Text with EEA relevance\)](#).

[^{F2} Article 11

National implementation measures

1 Each Member State shall publish and submit to the Commission, by 30 September 2011, the list of installations covered by this Directive in its territory and any free allocation

to each installation in its territory calculated in accordance with the rules referred to in Article 10a(1) and Article 10c.

[^{F9}A list of installations covered by this Directive for the five years beginning on 1 January 2021 shall be submitted by 30 September 2019, and lists for each subsequent period of five years shall be submitted every five years thereafter. Each list shall include information on production activity, transfers of heat and gases, electricity production and emissions at sub-installation level over the five calendar years preceding its submission. Free allocations shall only be given to installations where such information is provided.]

2 By 28 February of each year, the competent authorities shall issue the quantity of allowances that are to be allocated for that year, calculated in accordance with Articles 10, 10a and 10c.

3 Member States may not issue allowances free of charge under paragraph 2 to installations whose inscription in the list referred to in paragraph 1 has been rejected by the Commission.]

Textual Amendments

- F2** Substituted by [Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community \(Text with EEA relevance\)](#).
- F9** Inserted by [Directive \(EU\) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision \(EU\) 2015/1814 \(Text with EEA relevance\)](#).

Textual Amendments

- F1** Inserted by [Directive 2008/101/EC of the European Parliament and of the Council of 19 November 2008 amending Directive 2003/87/EC so as to include aviation activities in the scheme for greenhouse gas emission allowance trading within the Community \(Text with EEA relevance\)](#).

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- (1) [^{F3}Directive 2010/75/EU of the European Parliament and of the Council of 24 November 2010 on industrial emissions (integrated pollution prevention and control) (OJ L 334, 17.12.2010, p. 17).]
- (2) [^{F2}[^{F3}Decision (EU) 2015/1814 of the European Parliament and of the Council of 6 October 2015 concerning the establishment and operation of a market stability reserve for the Union greenhouse gas emission trading system and amending Directive 2003/87/EC (OJ L 264, 9.10.2015, p. 1).]]
- (3) [^{F7}[^{F9}Commission Decision 2011/278/EU of 27 April 2011 determining transitional Union-wide rules for harmonised free allocation of emission allowances pursuant to Article 10a of Directive 2003/87/EC of the European Parliament and of the Council (OJ L 130, 17.5.2011, p. 1).]]
- (4) [^{F7}[^{F3}Directive 2012/27/EU of the European Parliament and of the Council of 25 October 2012 on energy efficiency, amending Directives 2009/125/EC and 2010/30/EU and repealing Directives 2004/8/EC and 2006/32/EC (OJ L 315, 14.11.2012, p. 1).]]
- (5) [^{F7}[^{F3}Commission Decision 2010/670/EU of 3 November 2010 laying down criteria and measures for the financing of commercial demonstration projects that aim at the environmentally safe capture and geological storage of CO₂ as well as demonstration projects of innovative renewable energy technologies under the system for greenhouse gas emission allowance trading within the Union established by Directive 2003/87/EC of the European Parliament and of the Council (OJ L 290, 6.11.2010, p. 39).]]
- (6) [^{F7}[^{F3}Commission Decision 2014/746/EU of 27 October 2014 determining, pursuant to Directive 2003/87/EC of the European Parliament and of the Council, a list of sectors and subsectors which are deemed to be exposed to a significant risk of carbon leakage, for the period 2015 to 2019 (OJ L 308, 29.10.2014, p. 114).]]

Textual Amendments

- F2** Substituted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F3** Substituted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).
- F7** Inserted by Directive 2009/29/EC of the European Parliament and of the Council of 23 April 2009 amending Directive 2003/87/EC so as to improve and extend the greenhouse gas emission allowance trading scheme of the Community (Text with EEA relevance).
- F9** Inserted by Directive (EU) 2018/410 of the European Parliament and of the Council of 14 March 2018 amending Directive 2003/87/EC to enhance cost-effective emission reductions and low-carbon investments, and Decision (EU) 2015/1814 (Text with EEA relevance).