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MEETING DOCUMENT

| From: | General Secretariat of the Council |
|----------|--|
| To: | Working Party on Energy |
| Subject: | IE comments on the revision of the Renewable Energy Directive following the WP on Energy on 15 March |

Delegations will find in the annex the IE comments on the revision of the Renewable Energy Directive following the WP on Energy on 15 March.

EN

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
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| 2021/0218 (COD) | | |
| Proposal for a | | |
| DIRECTIVE OF THE EUROPEAN | | |
| PARLIAMENT AND OF THE COUNCIL | | |
| amending Directive (EU) 2018/2001 of the | | |
| European Parliament and of the | | |
| Council, Regulation (EU) 2018/1999 of the | | |
| European Parliament and of the Council and | | |
| Directive 98/70/EC of the European Parliament | | |
| and of the Council as regards the promotion of | | |
| energy from renewable sources, and repealing | | |
| Council Directive (EU) 2015/652 | | |
| | | |
| Having regard to the Treaty on the Functioning | | |
| of the European Union, and in particular | | |
| Article 114 and 194(2) thereof, | | |
| | | |
| Having regard to the proposal from the | | |
| European Commission, | | |
| | | |

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| After transmission of the draft legislative act to | | |
| the national parliaments, | | |
| | | C. // |
| Having regard to the opinion of the European | | |
| Economic and Social Committee ¹ , | | |
| Having regard to the opinion of the Committee | | |
| of the Regions ² , | | |
| Acting in accordance with the ordinary | | |
| legislative procedure, | | |
| | | |
| Whereas: | | |
| | | |
| (1) The European Green Deal ³ establishes | | |
| the objective of the Union becoming climate | | |

¹

OJ C , , p. .
OJ C , , p. .
Communication from the Commission COM(2019) 640 final of 11.12.2019, The European Green Deal.

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| neutral in 2050 in a manner that contributes to | | |
| the European economy, growth and job creation. | | |
| That objective, and the objective of a 55% | | |
| reduction in greenhouse gas emissions by 2030 | | |
| as set out in the 2030 Climate Target Plan ¹ that | | |
| was endorsed both by the European Parliament ² | | |
| and by the European Council ³ , requires an | | |
| energy transition and significantly higher shares | | |
| of renewable energy sources in an integrated | | |
| energy system. | | |
| | | |
| (2) Renewable energy plays a fundamental | | |
| role in delivering the European Green Deal and | | |
| for achieving climate neutrality by 2050, given | | |
| that the energy sector contributes over 75% of | | |
| total greenhouse gas emissions in the Union. By | | |

¹ Communication from the Commission COM(2020) 562 final of 17.9.2020, Stepping up Europe's 2030 climate ambition Investing in a climate-neutral future for the benefit of our people

⁵ European Parliament resolution of 15 January 2020 on the European Green Deal (2019/2956(RSP))

⁶ European Council conclusions of 11 December 2020, https://www.consilium.europa.eu/media/47296/1011-12-20-euco-conclusions-en.pdf

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| reducing those greenhouse gas emissions, | | |
| renewable energy also contributes to tackling | | |
| environmental-related challenges such as | | |
| biodiversity loss. | | |
| | | |
| (3) Directive (EU) 2018/2001 of the | | |
| European Parliament and of the Council ¹ sets a | | |
| binding Union target to reach a share of at least | | |
| 32 % of energy from renewable sources in the | | |
| Union's gross final consumption of energy by | | |
| 2030. Under the Climate Target Plan, the share | | |
| of renewable energy in gross final energy | | |
| consumption would need to increase to 40% by | | |
| 2030 in order to achieve the Union's greenhouse | | |
| gas emissions reduction target ² . Therefore, the | | |

Directive (EU) 2018/2001 of the European Parliament and of the Council of 11 December 2018 on the promotion of the use of energy from renewable sources, OJ L 328, 21.12.2018, p. 82–209

Point 3 of the Communication from the Commission COM(2020) 562 final of 17.9.2020, Stepping up Europe's 2030 climate ambition Investing in a climate-neutral future for the benefit of our people

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| target set out in Article 3 of that Directive needs | | |
| to be increased. | | |
| | | |
| (4) There is a growing recognition of the | | |
| need for alignment of bioenergy policies with | | |
| the cascading principle of biomass use ¹ , with a | | |
| view to ensuring fair access to the biomass raw | | |
| material market for the development of | | |
| innovative, high value-added bio-based | | |
| solutions and a sustainable circular bioeconomy. | | |
| When developing support schemes for | | |
| bioenergy, Member States should therefore take | | |
| into consideration the available sustainable | | |
| supply of biomass for energy and non-energy | | |
| uses and the maintenance of the national forest | | |

The cascading principle aims to achieve resource efficiency of biomass use through prioritising biomass material use to energy use wherever possible, increasing thus the amount of biomass available within the system. In line with the cascading principle, woody biomass should be used according to its highest economic and environmental added value in the following order of priorities: 1) wood-based products, 2) extending their service life, 3) re-use, 4) recycling, 5) bio-energy and 6) disposal.

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| carbon sinks and ecosystems as well as the | | |
| principles of the circular economy and the | | |
| biomass cascading use, and the waste hierarchy | | |
| established in Directive 2008/98/EC_of the | | |
| European Parliament and of the Council ¹ . For | | |
| this, they should grant no support to the | | |
| production of energy from saw logs, veener | | |
| logs, stumps and roots and avoid promoting the | | |
| use of quality roundwood for energy except in | | |
| well-defined circumstances. In line with the | | |
| cascading principle, woody biomass should be | | |
| used according to its highest economic and | | |
| environmental added value in the following | | |
| order of priorities: 1) wood-based products, 2) | | |
| extending their service life, 3) re-use, 4) | | |
| recycling, 5) bio-energy and 6) disposal. Where | | |
| no other use for woody biomass is economically | | |

Directive 2008/98/EC of the European Parliament and of the Council of 19 November 2008 on waste and repealing certain Directives (OJ L 312, 22.11.2008, p. 3).

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| viable or environmentally appropriate, energy | | |
| recovery helps to reduce energy generation from | | |
| non-renewable sources. Member States' support | | |
| schemes for bioenergy should therefore be | | |
| directed to such feedstocks for which little | | |
| market competition exists with the material | | |
| sectors, and whose sourcing is considered | | |
| positive for both climate and biodiversity, in | | |
| order to avoid negative incentives for | | |
| unsustainable bioenergy pathways, as identified | | |
| in the JRC report 'The use of woody biomass | | |
| for energy production in the EU'1. On the other | | |
| hand, in defining the further implications of the | | |
| cascading principle, it is necessary to recognise | | |
| the national specificities which guide Member | | |
| States in the design of their support schemes | | |
| Waste prevention, reuse and recycling of waste | | |
| should be the priority option. Member States | | |

https://publications.jrc.ec.europa.eu/repository/handle/JRC122719

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| should avoid creating support schemes which | | |
| would be counter to targets on treatment of | | |
| waste and which would lead to the inefficient | | |
| use of recyclable waste. Moreover, in order to | | |
| ensure a more efficient use of bioenergy, from | | |
| 2026 on Member States should not give support | | |
| anymore to electricity-only plants-, unless the | | |
| installations are in regions with a specific use | | |
| status as regards their transition away from | | |
| fossil fuels or if the installations use carbon | | |
| capture and storage. | | |
| | | |
| (5) The rapid growth and increasing cost- | | |
| competitiveness of renewable electricity | | |
| production can be used to satisfy a growing | | |
| share of energy demand, for instance using heat | | |
| pumps for space heating or low-temperature | | |
| industrial processes, electric vehicles for | | |
| transport, or electric furnaces in certain | | |
| industries. Renewable electricity can also be | | |

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| used to produce synthetic fuels for consumption | | |
| in hard-to-decarbonise transport sectors such as | | |
| aviation and maritime transport. A framework | | (2) >> |
| for electrification needs to enable robust and | | |
| efficient coordination and expand market | | |
| mechanisms to match both supply and demand | | |
| in space and time, stimulate investments in | | |
| flexibility, and help integrate large shares of | | |
| variable renewable generation. Member States | | |
| should therefore ensure that the deployment of | | |
| renewable electricity continues to increase at an | | |
| adequate pace to meet growing demand. For | | |
| this, Member States should establish a | | |
| framework that includes market-compatible | | |
| mechanisms to tackle remaining barriers to have | | |
| secure and adequate electricity systems fit for a | | |
| high level of renewable energy, as well as | | |
| storage facilities, fully integrated into the | | |
| electricity system. In particular, this framework | | |
| should shall tackle remaining barriers, including | | |

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| non-financial ones such as insufficient digital | | |
| and human resources of authorities to process a | | |
| growing number of permitting applications. | | |
| | | |
| (6) When calculating the share of | | |
| renewables in a Member State, renewable fuels | | |
| of non-biological origin should be counted in | | |
| the sector where they are consumed (electricity, | | |
| heating and cooling, or transport). To avoid | | |
| double-counting, the renewable electricity used | | |
| to produce these fuels should not be counted. | | |
| This would result in a harmonisation of the | | |
| accounting rules for these fuels throughout the | | |
| Directive, regardless of whether they are | | |
| counted for the overall renewable energy target | | |
| or for any sub-target. It would also allow to | | |
| count the real energy consumed, taking account | | |
| of energy losses in the process to produce those | | |
| fuels. Moreover, it would allow for the | | |
| accounting of renewable fuels of non-biological | | |

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| origin imported into and consumed in the | | |
| Union. | | |
| | | |
| (7) Member States' cooperation to promote | | |
| renewable energy can take the form of statistical | | |
| transfers, support schemes or joint projects. It | | |
| allows for a cost-efficient deployment of | | |
| renewable energy across Europe and contributes | | |
| to market integration. Despite its potential, | | |
| cooperation has been very limited, thus leading | | |
| to suboptimal results in terms of efficiency in | | |
| increasing renewable energy. Member States | | |
| should therefore be obliged to test cooperation | | |
| through implementing a pilot project. Projects | | |
| financed by national contributions under the | | |
| Union renewable energy financing mechanism | | |

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| established by Commission Implementing | | |
| Regulation (EU) 2020/12941 would meet this | | |
| obligation for the Member States involved. | | |
| | | |
| (8) The Offshore Renewable Energy | | |
| Strategy introduces an ambitious objective of | | |
| 300 GW of offshore wind and 40 GW of ocean | | |
| energy across all the Union's sea basins by | | |
| 2050. To ensure this step change, Member | | |
| States will need to work together across borders | | |
| at sea-basin level. Member States should | | |
| therefore jointly define the amount of offshore | | |
| renewable generation to be deployed within | | |
| each sea basin by 2050, with intermediate steps | | |
| in 2030 and 2040. These objectives should be | | |
| reflected in the updated national energy and | | |

Commission Implementing Regulation (EU) 2020/1294 of 15 September 2020 on the Union renewable energy financing mechanism (OJ L 303, 17.9.2020, p. 1).

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| climate plans that will be submitted in 2023 and | | |
| 2024 pursuant to Regulation (EU) 2018/1999. In | | |
| defining the amount, Member States should take | | |
| into account the offshore renewable energy | | |
| potential of each sea basin, environmental | | |
| protection, climate adaptation and other uses of | | |
| the sea, as well as the Union's decarbonisation | | |
| targets. In addition, Member States should | | |
| increasingly consider the possibility of | | |
| combining offshore renewable energy | | |
| generation with transmission lines | | |
| interconnecting several Member States, in the | | |
| form of hybrid projects or, at a later stage, a | | |
| more meshed grid. This would allow electricity | | |
| to flow in different directions, thus maximising | | |
| socio-economic welfare, optimising | | |
| infrastructure expenditure and enabling a more | | |
| sustainable usage of the sea. | | |
| | | |
| (9) The market for renewable power | | |

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| purchase agreements is rapidly growing and | | |
| provides a complementary route to the market | | |
| of renewable power generation in addition to | | |
| support schemes by Member States or to selling | | |
| directly on the wholesale electricity market. At | | |
| the same time, the market for renewable power | | |
| purchase agreements is still limited to a small | | |
| number of Member States and large companies, | | |
| with significant administrative, technical and | | |
| financial barriers remaining in large parts of the | | |
| Union's market. The existing measures in | | |
| Article 15 to encourage the uptake of renewable | | |
| power purchase agreements should therefore be | | |
| strengthened further, by exploring the use of | | |
| credit guarantees to reduce these agreements' | | |
| financial risks, taking into account that these | | |
| guarantees, where public, should not crowd out | | |
| private financing. | | |
| | | |
| (10) Overly complex and excessively long | | |

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| administrative procedures constitute a major | | |
| barrier for the deployment of renewable energy. | | |
| On the basis of the measures to improve | | |
| administrative procedures for renewable energy | | |
| installations that Member States are to report on | | |
| by 15 March 2023 in their first integrated | | |
| national energy and climate progress reports | | |
| pursuant to Regulation (EU) 2018/1999 of the | | |
| European Parliament and of the Council ¹ , the | | |
| Commission should assess whether the | | |
| provisions included in this Directive to | | |
| streamline these procedures have resulted in | | |
| smooth and proportionate procedures. If that | | |
| assessment reveals significant scope for | | |
| improvement, the Commission should take | | |

Regulation (EU) 2018/1999 of the European Parliament and of the Council of 11 December 2018 on the Governance of the Energy Union and Climate Action, amending Regulations (EC) No 663/2009 and (EC) No 715/2009 of the European Parliament and of the Council, Directives 94/22/EC, 98/70/EC, 2009/31/EC, 2009/73/EC, 2010/31/EU, 2012/27/EU and 2013/30/EU of the European Parliament and of the Council, Council Directives 2009/119/EC and (EU) 2015/652 and repealing Regulation (EU) No 525/2013 of the European Parliament and of the Council (OJ L 328, 21.12.2018, p. 1).

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| appropriate measures to ensure Member States | | |
| have streamlined and efficient administrative | | |
| procedures in place. | | C* // |
| | | |
| (11) Buildings have a large untapped | | |
| potential to contribute effectively to the | | |
| reduction in greenhouse gas emissions in the | | |
| Union. The decarbonisation of heating and | | |
| cooling in this sector through an increased share | | |
| in production and use of renewable energy will | | |
| be needed to meet the ambition set in the | | |
| Climate Target Plan to achieve the Union | | |
| objective of climate neutrality. However, | | |
| progress on the use of renewables for heating | | |
| and cooling has been stagnant in the last decade, | | |
| largely relying on increased use of biomass. | | |
| Without the establishment of targets to increase | | |
| the production and use of renewable energy in | | |
| buildings, there will be no ability to track | | |
| progress and identify bottlenecks in the uptake | | |

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| of renewables. Furthermore, the creation of | | |
| targets will provide a long-term signal to | | |
| investors, including for the period immediately | | |
| after 2030. This will complement obligations | | |
| related to energy efficiency and the energy | | |
| performance of buildings. Therefore, indicative | | |
| targets for the use of renewable energy in | | |
| buildings should be set to guide and incentivise | | |
| Member States' efforts to exploit the potential | | |
| of using and producing renewable energy in | | |
| buildings, encourage the development of and | | |
| integration of technologies which produce | | |
| renewable energy while providing certainty for | | |
| investors and local level engagement. | | |
| | | |
| (11a) The indicative EU renewable energy | | |
| share for the building sector to be reached by | | |
| 2030 constitutes a necessary minimum | | |
| milestone for ensuring the decarbonisation of | | |
| the EU building stock by 2050 in line with | | |

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| [Revised EPBD]. It is key to enable a | | |
| seamless, cost-effective phase out of fossil | | |
| fuels from buildings to ensure their | | |
| replacement with renewables as highlighted | | |
| by the EU Climate Target Plan and as | | |
| required by the [Revised EPBD]. The | | |
| indicative share of renewable energy in the | | |
| building sector complements the regulatory | | |
| framework for buildings under [Revised | | |
| EPBD by ensuring that renewable energy | | |
| technologies, appliances and infrastructures, | | |
| including efficient district heating and | | |
| cooling, are sufficiently scaled-up in a timely | | |
| manner to gradually replace fossil fuels in | | |
| buildings and to ensure the availability of | | |
| safe and reliable renewable energy supply for | | |
| nearly zero-energy buildings until 2030. The | | |
| indicative renewable building share also | | |
| supports the inclusion of renewable energy | | |
| investment in long-term national building | | |

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| renovation strategies/[building renovation | | |
| plans enabling the achievement of the goals | | |
| as proposed under [revised EPBD]]. | | C1 >> |
| Furthermore, the indicative renewable | | |
| building share provides an important | | |
| additional indicator to develop efficient | | |
| district heating and cooling for the purposes | | |
| of decarbonising the building stock, thereby | | |
| complementing both the indicative district | | |
| heating and cooling target under Article 24 of | | |
| this Directive and the requirement to ensure | | |
| that renewable energy and waste heat and | | |
| cold from efficient district heating and | | |
| cooling system are available to help cover the | | |
| total annual primary energy use of a new or | | |
| renovated building. Finally, this indicative | | |
| renewable building share is also necessary to | | |
| cost-effectively ensure the delivery of the | | |
| annual increases in renewable heating and | | |
| cooling under Article 23, as well as the | | |

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| indicative average annual increase in | | |
| renewable energy in district heating and | | |
| cooling under Article 24. | | |
| | | |
| (11b) Given the large energy consumption in | | |
| residential, commercial and public building, | | |
| existing definitions provided for in | | |
| Regulation (EC) No 1099/2008 could be used | | |
| in the calculation of the national share of | | |
| energy from renewable sources in buildings | | |
| as to minimise administrative burden whilst | | |
| ensuring the progress in realising the | | |
| indicative EU renewable energy share for the | | |
| buildings in 2030. | | |
| | | |
| (12) Insufficient numbers of skilled workers, | | |
| in particular installers and designers of | | |
| renewable heating and cooling systems, slow | | |
| down the replacement of fossil fuel heating | | |
| systems by renewable energy based systems and | | |

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| is a major barrier to integrating renewables in | | |
| buildings, industry and agriculture. Member | | |
| States should cooperate with social partners and | | C1 // |
| renewable energy communities to anticipate the | | |
| skills that will be needed. A sufficient number | | |
| of high-quality training programmes and | | |
| certification possibilities ensuring proper | | |
| installation and reliable operation of a wide | | |
| range of renewable heating and cooling systems | | |
| should be made available and designed in a way | | |
| to attract participation in such training | | |
| programmes and certification systems. Member | | |
| States should consider what actions should be | | |
| taken to attract groups currently under- | | |
| represented in the occupational areas in | | |
| question. The list of trained and certified | | |
| installers should be made public to ensure | | |
| consumer trust and easy access to tailored | | |
| designer and installer skills guaranteeing proper | | |
| installation and operation of renewable heating | | |

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| and cooling. | | |
| | | |
| (13) Guarantees of origin are a key tool for | | C*// |
| consumer information as well as for the further | | |
| uptake of renewable power purchase | | |
| agreements. In order to establish a coherent | | |
| Union base for the use of guarantees of origin | | |
| and to provide access to appropriate supporting | | |
| evidence for persons concluding renewable | | |
| power purchase agreements, all renewable | | |
| energy producers should be able to receive a | | |
| guarantee of origin without prejudice to | | |
| Member States' obligation to take into account | | |
| the market value of the guarantees of origin if | | |
| the energy producers receive financial support. | | |
| | | |
| (14) Infrastructure development for district | | |
| heating and cooling networks should be stepped | | |
| up and steered towards harnessing a wider range | | |
| of renewable heat and cold sources in an | | |

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| efficient and flexible way in order to increase | | |
| the deployment of renewable energy and deepen | | |
| energy system integration. It is therefore | | |
| appropriate to update the list of renewable | | |
| energy sources that district heating and cooling | | |
| networks should increasingly accommodate and | | |
| to require the integration of thermal energy | | |
| storage as a source of flexibility, greater energy | | |
| efficiency and more cost-effective operation. | | |
| | | |
| (15) With more than 30 million electric | | The direction of the initiative is broadly |
| vehicles expected in the Union by 2030 it is | | welcomed by Ireland. However, the impact of |
| necessary to ensure that they can fully | | this requirement will need further consideration |
| contribute to the system integration of | | |
| renewable electricity, and thus allow reaching | | Domestic or private residential charging is the |
| higher shares of renewable electricity in a cost- | | principal source of EV recharging in Ireland |
| optimal manner. The potential of electric | | with only 20% of charging provided publicly. |
| vehicles to absorb renewable electricity at times | | |
| when it is abundant and feed it back into a grid | | |
| when there is scarcity has to be fully utilisedIt | | |

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| is therefore appropriate to introduce specific | | |
| measures on electric vehicles and information | | |
| about renewable energy and how and when to | | |
| access it which complement those in Directive | | |
| (EU) 2014/94 of the European Parliament and | | |
| of the Council ¹ and the [proposed Regulation | | |
| concerning batteries and waste batteries, | | |
| repealing Directive 2006/66/EC and amending | | |
| Regulation (EU) No 2019/1020]. | | |
| | | |
| (16) In order for flexibility and balancing | | |
| services from the aggregation of distributed | | |
| storage assets to be developed in a competitive | | |
| manner, real-time access to basic battery | | |
| information such as state of health, state of | | |

Directive 2014/94/EU of the European Parliament and of the Council of 22 October 2014 on the deployment of alternative fuels infrastructure (OJ L 307, 28.10.2014, p. 1)

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| charge, capacity and power set point should be | | |
| provided under non-discriminatory terms and | | |
| free of charge to the owners or users of the | | C1 >> |
| batteries and the entities acting on their behalf, | | |
| such as building energy system managers, | | |
| mobility service providers and other electricity | | |
| market participants. It is therefore appropriate to | | |
| introduce measures addressing the need of | | |
| access to such data for facilitating the | | |
| integration-related operations of domestic | | |
| batteries and electric vehicles, complementing | | |
| the provisions on access to battery data related | | |
| to facilitating the repurposing of batteries in [the | | |
| proposed Commission Regulation of the | | |
| European Parliament and of the Council | | |
| concerning batteries and waste batteries, | | |
| repealing Directive 2006/66/EC and amending | | |
| Regulation (EU) No 2019/1020]. The provisions | | |
| on access to battery data of electric vehicles | | |
| should apply in addition to any laid down in | | |

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| Union law on type approval of vehicles. | | |
| | | |
| (17) The increasing number of electric | | The direction of the initiative is broadly |
| vehicles in road, rail, maritime and other | | welcomed by Ireland. However, the impact of |
| transport modes will require that recharging | | this requirement will need further consideration |
| operations are optimised and managed in a way | | |
| that does not cause congestion and takes full | | Domestic or private residential charging is the |
| advantage of the availability of renewable | | principal source of EV recharging in Ireland |
| electricity and low electricity prices in the | | with only 20% of charging provided publicly. |
| system. In situations where bidirectional | | |
| charging would assist further penetration of | | |
| renewable electricity by electric vehicle fleets in | | |
| transport and the electricity system in general, | | |
| such functionality should also be made | | |
| available. In view of the long life span of | | |
| recharging points, requirements for charging | | |
| infrastructure should be kept updated in a way | | |
| that would cater for future needs and would not | | |
| result in negative lock-in effects to the | | |
| development of technology and services. | | |

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| | | |
| (18) Electric vehicle users entering into | | |
| contractual agreements with electromobility | | |
| service providers and electricity market | | |
| participants should have the right to receive | | |
| information and explanations on how the terms | | |
| of the agreement will affect the use of their | | |
| vehicle and the state of health of its battery. | | |
| Electromobility service providers and electricity | | |
| market participants should explain clearly to | | |
| electric vehicle users how they will be | | |
| remunerated for the flexibility, balancing and | | |
| storage services provided to the electricity | | |
| system and market by the use of their electric | | |
| vehicle. Electric vehicle users also need to have | | |
| their consumer rights secured when entering | | |
| into such agreements, in particular regarding the | | |
| protection of their personal data such as location | | |
| and driving habits, in connection to the use of | | |
| their vehicle. Electric vehicle users' preference | | |

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| regarding the type of electricity purchased for | | |
| use in their electric vehicle, as well as other | | |
| preferences, can also be part of such | | |
| agreements. For the above reasons, it is | | |
| important that electric vehicle users can use | | |
| their subscription at multiple recharging points. | | |
| This will also allow the electric vehicle user's | | |
| service provider of choice to optimally integrate | | |
| the electric vehicle in the electricity system, | | |
| through predictable planning and incentives | | |
| based on the electric vehicle user preferences | | |
| This is also in line with the principles of a | | |
| consumer-centric and prosumer-based energy | | |
| system, and the right of supplier choice of | | |
| electric vehicle users as final customers as per | | |
| the provisions of Directive (EU) 2019/944. | | |
| | | |
| (19) Distributed storage assets, such as | | |
| domestic batteries and batteries of electric | | |
| vehicles have the potential to offer considerable | | |

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| flexibility and balancing services to the grid | | |
| through aggregation. In order to facilitate the | | |
| development of such services, the regulatory | | |
| provisions concerning connection and operation | | |
| of the storage assets, such as tariffs, | | |
| commitment times and connection | | |
| specifications, should be designed in a way that | | |
| does not hamper the potential of all storage | | |
| assets, including small and mobile ones, to offer | | |
| flexibility and balancing services to the system | | |
| and to contribute to the further penetration | | |
| renewable electricity, in comparison with larger, | | |
| stationary storage assets. | | |
| | | |
| (20) Recharging points where electric | | The direction of the initiative is broadly |
| vehicles typically park for extended periods of | | welcomed by Ireland. However, the impact of |
| time, such as where people park for reasons of | | this requirement will need further consideration |
| residence or employment, are highly relevant to | | |
| energy system integration, therefore smart | | Domestic or private residential charging is the |
| charging functionalities need to be ensured. In | | principal source of EV recharging in Ireland |

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| this regard, the operation of non-publicly | | with only 20% of charging provided publicly. |
| accessible normal charging infrastructure is | | |
| particularly important for the integration of | | |
| electric vehicles in the electricity system as it is | | |
| located where electric vehicles are parked | | |
| repeatedly for long periods of time, such as in | | |
| buildings with restricted access, employee | | |
| parking or parking facilities rented out to natural | | |
| or legal persons. | | |
| | | |
| (21) Industry accounts for 25% of the | | |
| Union's energy consumption, and is a major | | |
| consumer of heating and cooling, which is | | |
| currently supplied 91% by fossil fuels. | | |
| However, 50% of heating and cooling demand | | |
| is low-temperature (<200 °C) for which there | | |
| are cost-effective renewable energy options, | | |
| including through electrification. In addition, | | |
| industry uses non-renewable sources as raw | | |
| materials to produce products such as steel or | | |

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| chemicals. Industrial investment decisions today | | |
| will determine the future industrial processes | | |
| and energy options that can be considered by | | C1 >> |
| industry, so it is important that those | | |
| investments decisions are future-proof. | | |
| Therefore, benchmarks should be put in place to | | |
| incentivise industry to switch to a renewables- | | |
| based production processes that not only are | | |
| fueled by renewable energy, but also use | | |
| renewable-based raw materials such as | | |
| renewable hydrogen. Moreover, a common | | |
| methodology for products that are labelled as | | |
| having been produced partially or fully using | | |
| renewable energy or using renewable fuels of | | |
| non-biological origin as feedstock is required, | | |
| taking into account existing Union product | | |
| labelling methodologies and sustainable product | | |
| initiatives. This would avoid deceptive practices | | |
| and increase consumers trust. Furthermore, | | |
| given consumer preference for products that | | |

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| contribute to environmental and climate change | | |
| objectives, it would stimulate a market demand | | |
| for those products. | | |
| | | |
| (22) Renewable fuels of non-biological origin | | |
| can be used for energy purposes, but also for | | |
| non-energy purposes as feedstock or raw | | |
| material in industries such as steel or chemicals. | | |
| The use of renewable fuels of non-biological | | |
| origin for both purposes exploits their full | | |
| potential to replace fossil fuels used as | | |
| feedstock and to reduce greenhouse gas | | |
| emissions in industry and should therefore be | | |
| included in a target for the use of renewable | | |
| fuels of non-biological origin. National | | |
| measures to support the uptake of renewable | | |
| fuels of non-biological origin in industry should | | |
| not result in net pollution increases due to an | | |
| increased demand for electricity generation that | | |
| is satisfied by the most polluting fossil fuels, | | |

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| such as coal, diesel, lignite, oil, peat and oil | | |
| shale. | | |
| | | C*// |
| (23) Increasing the level of ambition in the | | |
| heating and cooling sector is key to delivering | | |
| the overall renewable energy target given that | | |
| heating and cooling constitutes around half of | | |
| the Union's energy consumption, covering a | | |
| wide range of end uses and technologies in | | |
| buildings, industry and district heating and | | |
| cooling. To accelerate the increase of | | |
| renewables in heating and cooling, an annual | | |
| 1.1 percentage point increase at Member State | | |
| level should be made binding as a minimum for | | |
| all Member States. The minimum annual | | |
| average binding increase of 0.8 percentage | | |
| point between 2021 and 2025, and of 1.1 | | |
| percentage point between 2026 and 2030 in | | |
| heating and cooling applicable to all Member | | |
| States should be complemented with | | |

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| additional indicative increases or top up rates | | |
| calculated specifically for each Member State | | |
| in line with the ambition needed in this sector | | |
| defined in the European Green Deal. These | | |
| Member State-specific additional indicative | | |
| increases or top-ups aim to redistribute the | | |
| additional efforts needed to achieve the | | |
| desired level of renewables in 2030 among | | |
| Member States based on GDP and cost- | | |
| effectiveness and to guide Member States as | | |
| regards what could be a sufficient level of | | |
| renewable energy to deploy in this sector in | | |
| case further renewable energy is not | | |
| deployed in other sectors. A longer list of | | |
| different measures should also be included in | | |
| Directive (EU) 2018/2001 to facilitate | | |
| increasing the share of renewables in heating | | |
| and cooling. Member States may implement | | |
| one or more measures from the list of | | |
| measures. For those Member States, which | | |

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| already have renewable shares above 50% in the | | |
| heating and cooling sector should be able, it | | |
| should remain possible to only continue | | |
| applying only half of the binding annual | | |
| increase rate and half of the addditonal | | |
| indicative increases or top ups. Member States | | |
| with <u>a renewable share of</u> 60% or above | | |
| higher may count any such share as already | | |
| fulfilling both the binding the average annual | | |
| increase rate and the indicative additional | | |
| increases or top up rates in accordance with | | |
| points b) and c) of paragraph 2 of Article 23. In | | |
| addition, Member State-specific top-ups should | | |
| be set, redistributing the additional efforts to the | | |
| desired level of renewables in 2030 among | | |
| Member States based on GDP and cost- | | |
| effectiveness. A longer list of different measures | | |
| should also be included in Directive (EU) | | |
| 2018/2001 to facilitate increasing the share of | | |
| renewables in heating and cooling. Member | | |

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| States may implement one or more measures | | |
| from the list of measures. | | |
| | | C*// |
| (24) To ensure that a greater role of district | | |
| heating and cooling is accompanied by better | | |
| information for consumers, it is appropriate to | | |
| clarify and strengthen the disclosure of the | | |
| renewables share and energy efficiency of these | | |
| systems. | | |
| | | |
| (25) Modern renewable-based efficient | | |
| district heating and cooling systems have | | |
| demonstrated their potential to provide cost- | | |
| effective solutions for integrating renewable | | |
| energy, increased energy efficiency and energy | | |
| system integration, facilitating the overall | | |
| decarbonisation of the heating and cooling | | |
| sector. To ensure this potential is harnessed, the | | |
| annual increase of renewable energy and/or | | |
| waste heat and cold in district heating and | | |

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| cooling should be raised from 1 percentage | | |
| point to 2.1 without changing the indicative | | |
| nature of this increase, reflecting the uneven | | |
| development of this type of network across the | | |
| Union. | | |
| | | |
| (26) To reflect the increased importance of | | |
| district heating and cooling and the need to steer | | |
| the development of these networks towards the | | |
| integration of more renewable energy, it is | | |
| appropriate to set requirements to ensure the | | |
| connection of third party suppliers of renewable | | |
| energy and waste heat and cold with district | | |
| heating or cooling networks systems above | | |
| 25MW. | | |
| | | |
| (27) Waste heat and cold are underused | | |
| despite their wide availability, leading to a | | |
| waste of resources, lower energy efficiency in | | |
| national energy systems and higher than | | |

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| necessary energy consumption in the Union. | | |
| Requirements for closer coordination between | | |
| district heating and cooling operators, industrial | | |
| and tertiary sectors, and local authorities could | | |
| facilitate the dialogue and cooperation necessary | | |
| to harness cost-effective waste heat and cold | | |
| potentials via district heating and cooling | | |
| systems. | | |
| | | |
| (28) To ensure district heating and cooling | | |
| participate fully in energy sector integration, it | | |
| is necessary to extend the cooperation with | | |
| electricity distribution system operators to | | |
| electricity transmission system operators and | | |
| widen the scope of cooperation to grid | | |
| investment planning and markets to better utilise | | |
| the potential of district heating and cooling for | | |
| providing flexibility services in electricity | | |
| markets. Further cooperation with gas network | | |
| operators, including hydrogen and other energy | | |

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| networks, should also be made possible to | | |
| ensure a wider integration across energy carriers | | |
| and their most cost-effective use. | | |
| | 7 | |
| (29) The use of renewable fuels and | | Ireland is broadly supportive of the increased |
| renewable electricity in transport can contribute | | ambition on GHG intensity reduction through |
| to the decarbonisation of the Union transport | | increasing the amount of renewable fuels and |
| sector in a cost-effective manner, and improve, | | renewable electricity supplied to transport |
| amongst other matters, energy diversification in | | through the setting of an obligation on fuel |
| that sector while promoting innovation, growth | | suppliers. IE agrees with the setting of |
| and jobs in the Union economy and reducing | | indicative trajectories for these by Member |
| reliance on energy imports. With a view to | | States. IE notes that the development, |
| achieving the increased target for greenhouse | | availability and cost of advanced biofuels and |
| gas emission savings defined by the Union, the | | RFNBOs as well as the sustainability of |
| level of renewable energy supplied to all | | feedstocks for biofuels may impact on the |
| transport modes in the Union should be | | delivery of this target by 2030. |
| increased. Expressing the transport target as a | | IE also welcomes the proposal that REDIII will |
| greenhouse gas intensity reduction target would | | eliminate the double regulation of transport |
| stimulate an increasing use of the most cost- | | fuels which currently happens with REDII/FQD. |
| effective and performing fuels, in terms of | | Ireland reserves its position on the proposal to |

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| greenhouse gas savings, in transport. In | | remove multipliers (ie double counting) from |
| addition, a greenhouse gas intensity reduction | | the calculation of many of the feedstocks set out |
| target would stimulate innovation and set out a | | at Appendix IX Part A. As set out above, IE has |
| clear benchmark to compare across fuel types | | concerns in relation to the availability of both |
| and renewable electricity depending on their | | advanced biofuels and RFNBOs in the transport |
| greenhouse gas intensity. Complementary to | | sector to meet the increased targets set for these |
| this, increasing the level of the energy-based | | fuels in 2030. It is noted that the Impact |
| target on advanced biofuels and biogas and | | Assessment notes that the increased ambition |
| introducing a target for renewable fuels of non- | | for advanced biofuels and RFNBOS is not likely |
| biological origin would ensure an increased use | | to impact significantly on emissions savings in |
| of the renewable fuels with smallest | | the short and medium term because of the small |
| environmental impact in transport modes that | | amounts of these fuels that are likely to be |
| are difficult to electrify. The achievement of | | available and that the promotion of these fuels |
| those targets should be ensured by obligations | | through dedicated sub-targets is intended to |
| on fuel suppliers as well as by other measures | | prepare for their upscaling after 2030. |
| included in [Regulation (EU) 2021/XXX on the | | Therefore, the retention of multipliers to |
| use of renewable and low-carbon fuels in | | promote the use of Annex IX Part A feedstocks, |
| maritime transport - FuelEU Maritime and | | especially where issues of cost efficiency, |
| Regulation (EU) 2021/XXX on ensuring a level | | sustainability, demand and pace of development |
| playing field for sustainable air transport]. | | are factors, and should be considered further. |

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| Dedicated obligations on aviation fuel suppliers | | |
| should be set only pursuant to [Regulation (EU) | | |
| 2021/XXX on ensuring a level playing field for | | |
| sustainable air transport]. | | |
| | | |
| (30) Electromobility will play an essential | | The direction of the initiative is broadly |
| role in decarbonising the transport sector. To | | welcomed by Ireland. However, the impact of |
| foster the further development of | | this requirement will need further consideration |
| electromobility, Member States should establish | | |
| a credit mechanism enabling operators of | | Domestic or private residential charging is the |
| charging points accessible to the public to | | principal source of EV recharging in Ireland |
| contribute, by supplying renewable electricity, | | with only 20% of charging provided publicly. |
| towards the fulfilment of the obligation set up | | |
| by Member States on fuel suppliers. While | | |
| supporting electricity in transport through such a | | |
| mechanism, it is important that Member States | | |
| continue setting a high level of ambition for the | | |
| decarbonisation of their liquid fuel mix in | | |
| transport. | | |
| | | |

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| (31) The Union's renewable energy policy | | IE welcomes the proposed amendments to |
| aims to contribute to achieving the climate | | Article 26, in particular, the ability of Member |
| change mitigation objectives of the European | | States to reduce the RES-T GHG intensity target |
| Union in terms of the reduction of greenhouse | | where the biofuels produced from food and feed |
| gas emissions. In the pursuit of this goal, it is | | crops is below 7% ('the crop cap'). |
| essential to also contribute to wider | | IE would welcome further clarity on the |
| environmental objectives, and in particular the | | relationship between the article 26 (1) food and |
| prevention of biodiversity loss, which is | | feed crops and the calculation of the RES-T, in |
| negatively impacted by the indirect land use | | particular for MS who maintain low levels of |
| change associated to the production of certain | | food and feed crops. |
| biofuels, bioliquids and biomass fuels. | | |
| Contributing to these climate and environmental | | |
| objectives constitutes a deep and longstanding | | |
| intergenerational concern for Union citizens | | |
| and the Union legislator. As a consequence, the | | |
| changes in the way the transport target is | | |
| calculated should not affect the limits | | |
| established on how to account toward that target | | |
| certain fuels produced from food and feed crops | | |
| on the one hand and high indirect land-use | | |

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| change-risk fuels on the other hand. In addition, | | |
| in order not to create an incentive to use | | |
| biofuels and biogas produced from food and | | |
| feed crops in transport, Member States should | | |
| continue to be able to choose whether to count | | |
| them or not towards the transport target. If they | | |
| do not count them, they may reduce the | | |
| greenhouse gas intensity reduction target | | |
| accordingly, assuming that food and feed crop- | | |
| based biofuels save 50% greenhouse gas | | |
| emissions, which corresponds to the typical | | |
| values set out in an annex to this Directive for | | |
| the greenhouse gas emission savings of the most | | |
| relevant production pathways of food and feed | | |
| crop-based biofuels as well as the minimum | | |
| savings threshold applying to most installations | | |
| producing such biofuels. | | |
| | | |
| (32) Expressing the transport target as a | | IE notes that the development, availability and |
| greenhouse gas intensity reduction target makes | | cost of advanced biofuels and RFNBOs as well |

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| it unnecessary to use multipliers to promote | | as the sustainability of feedstocks for biofuels |
| certain renewable energy sources. This is | | may impact on the delivery of this target by |
| because different renewable energy sources save | | 2030. |
| different amounts of greenhouse gas emissions | | Ireland reserves its position on the proposal to |
| and, therefore, contribute differently to a target. | | remove multipliers (ie double counting) from |
| Renewable electricity should be considered to | | the calculation of many of the feedstocks set out |
| have zero emissions, meaning it saves 100% | | at Appendix IX. As set out above, IE has |
| emissions compared to electricity produced | | concerns in relation to the availability of both |
| from fossil fuels. This will create an incentive | | advanced biofuels and RFNBOs in the transport |
| for the use of renewable electricity since | | sector to meet the increased targets set for these |
| renewable fuels and recycled carbon fuels are | | fuels in 2030. It is noted that the Impact |
| unlikely to achieve such a high percentage of | | Assessment notes that the increased ambition |
| savings. Electrification relying on renewable | | for advanced biofuels and RFNBOS is not likely |
| energy sources would therefore become the | | to impact significantly on emissions savings in |
| most efficient way to decarbonise road | | the short and medium term because of the small |
| transport. In addition, in order to promote the | | amounts of these fuels that are likely to be |
| use of advanced biofuels and biogas and | | available and that the promotion of these fuels |
| renewable fuels of non-biological origin in the | | through dedicated sub-targets is intended to |
| aviation and maritime transport modes, which | | prepare for their upscaling after 2030. |
| are difficult to electrify, it is appropriate to keep | | Therefore, the retention of multipliers to |

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| the multiplier for those fuels supplied in those | | promote the use of Annex IX feedstocks, |
| modes when counted towards the specific | | especially where issues of cost efficiency, |
| targets set for those fuels. | | sustainability, demand and pace of development |
| | | are factors, should be considered further. |
| (33) Direct electrification of end-use sectors, | | |
| including the transport sector, contributes to the | | |
| efficiency and facilitates the transition to an | | |
| energy system based on renewable energy. It is | | |
| therefore in itself an effective means to reduce | | |
| greenhouse gas emissions. The creation of a | | |
| framework on additionality applying | | |
| specifically to renewable electricity supplied to | | |
| electric vehicles in the transport sector is | | |
| therefore not required. | | |
| | | |
| (34) Since renewable fuels of non-biological | | Ireland is broadly supportive of the increased |
| origin are to be counted as renewable energy | | ambition on GHG intensity reduction through |
| regardless of the sector in which they are | | increasing the amount of renewable fuels and |
| consumed, the rules to determine their | | renewable electricity supplied to transport |

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| renewable nature when produced from | | through the setting of an obligation on fuel |
| electricity, which were applicable only to those | | suppliers. IE agrees with the setting of |
| fuels when consumed in the transport sector, | | indicative trajectories for these by Member |
| should be extended to all renewable fuels of | | States. |
| non-biological origin, regardless of the sector | | |
| where in which they are consumed. | | |
| | | |
| (35) To ensure higher environmental | | |
| effectiveness of the Union sustainability and | | |
| greenhouse emissions saving criteria for solid | | |
| biomass fuels in installations producing heating, | | |
| electricity and cooling, the minimum threshold | | |
| for the applicability of such criteria should be | | |
| lowered from the current 20 MW to 5 MW. | | |
| | | |
| (36) Directive (EU) 2018/2001 strengthened | | |
| the bioenergy sustainability and greenhouse gas | | |
| savings framework by setting criteria for all | | |
| end-use sectors. It set out specific rules for | | |
| biofuels, bioliquids and biomass fuels produced | | |

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| from forest biomass, requiring the sustainability | | |
| of harvesting operations and the accounting of | | |
| land-use change emissions. To achieve an | | (¹) |
| enhanced protection of especially biodiverse | | |
| and carbon-rich habitats, such as primary | | |
| forests, highly biodiverse forests, grasslands and | | |
| peat lands, exclusions and limitations to source | | |
| forest biomass from those areas should be | | |
| introduced within the risk-based approach, in | | |
| line with inspired by the approach for biofuels, | | |
| bioliquids and biomass fuels produced from | | |
| agricultural biomass. In addition, the | | |
| greenhouse gas emission saving criteria should | | |
| also apply to existing biomass-based | | |
| installations to ensure that bioenergy production | | |
| in all such installations leads to greenhouse gas | | |
| emission reductions compared to energy | | |
| produced from fossil fuels. | | |
| | | |
| (36a) The Union is committed to improve the | | |

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| environmental, economic and social | | |
| sustainability of biomass fuel production. | | |
| This Directive is complementary to other EU | | |
| legislative instruments, such as the | | |
| [legislative initiative] on Sustainable | | |
| Corporate Governance (SCG), setting out | | |
| due diligence requirements in the value chain | | |
| with regard to adverse human rights or | | |
| environmental impacts. | | |
| | | |
| (36b) The concept of "highly biodiverse forest | | |
| and other wooded land which is species-rich | | |
| and not degraded" shall ensure adequate | | |
| protection of those areas while not creating a | | |
| general obstacle to the use of forest biomass | | |
| for the production of biofuels, bioliquids and | | |
| biomass fuels. To this end, for the application | | |
| of this concept to the case of forest biomass, | | |
| and exclusively forest biomass, only forests | | |
| and wooded land that have been identified | | |

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| scientifically or administratively by the | | |
| competent authorities as being very rich in | | |
| biodiversity will be subject to exclusions and | | C*/ |
| limitations to forest biomass production. | | |
| | | |
| (37) In order to reduce the administrative | | |
| burden for producers of renewable fuels and | | |
| recycled carbon fuels and for Member States, | | |
| where voluntary or national schemes have been | | |
| recognised by the Commission through an | | |
| implementing act as giving evidence or | | |
| providing accurate data regarding the | | |
| compliance with sustainability and greenhouse | | |
| gas emissions saving criteria as well as other | | |
| requirements set in this Directive, Member | | |
| States should accept the results of the | | |
| certification issued by such schemes within the | | |
| scope of the Commission's recognition. In order | | |
| to reduce the burden on small installations, | | |
| Member States should establish a simplified | | |

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| verification mechanism for installations with a | | |
| total termal input of between 5 and 10MW. | | |
| | | |
| (38) The Union database to be set up by the | | |
| Commission aims at enabling the tracing of | | |
| liquid and gaseous renewable fuels and recycled | | |
| carbon fuels. Its scope should be extended from | | |
| transport to all other end-use sectors in which | | |
| such fuels are consumed. This should make a | | |
| vital contribution to the comprehensive | | |
| monitoring of the production and consumption | | |
| of those fuels, mitigating risks of double- | | |
| counting or irregularities along the supply | | |
| chains covered by the Union database. In | | |
| addition, to avoid any risk of double claims on | | |
| the same renewable gas, a guarantee of origin | | |
| issued for any consignment of renewable gas | | |
| registered in the database should be cancelled. | | |
| | | |
| (38a) This Directive is based on Article | | |

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| 194(2) of the Treaty on the Functioning of the | | |
| European Union (TFEU), which provides the | | |
| legal basis for proposing measures to develop | | |
| new and renewable forms of energy, one of | | |
| the goals of the Union's energy policy, set out | | |
| in Article 194(1)(c) TFEU. Directive (EU) | | |
| 2018/2001, which is amended by this | | |
| Directive, was also adopted under Article | | |
| 194(2) TFEU. Article 114 TFEU, the internal | | |
| market legal basis, is added in order to | | |
| amend Directive 98/70/EC on fuel quality, | | |
| which is based on that provision. | | |
| | | |
| (39) The Governance Regulation (EU) | | |
| 2018/1999 makes several references in a | | |
| number of places to the Union-level binding | | |
| target of at least 32 % for the share of renewable | | |
| energy consumed in the Union in 2030. As that | | |
| target needs to be increased in order to | | |
| contribute effectively to the ambition to | | |

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| decrease greenhouse gas emissions by 55 % by | | |
| 2030, those references should be amended. Any | | |
| additional planning and reporting requirements | | |
| set will not create a new planning and reporting | | |
| system, but should be subject to the existing | | |
| planning and reporting framework under | | |
| Regulation (EU) 2018/1999. | | |
| | | |
| (40) The scope of Directive 98/70/EC of the | | |
| European Parliament and of the Council ¹ should | | |
| be amended in order to avoid a duplication of | | |
| regulatory requirements with regard to transport | | |
| fuel decarbonisation objectives and align with | | |
| Directive (EU) 2018/2001. | | |
| | | |
| (41) The definitions of Directive 98/70/EC | | |
| should be amended in order to align them with | | |

Directive 98/70/EC of the European Parliament and of the Council of 13 October 1998 relating to the quality of petrol and diesel fuels and amending Council Directive 93/12/EEC (OJ L 350, 28.12.1998, p. 58).

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| Directive (EU) 2018/2001 and thereby avoid | | |
| different definitions being applied in those two | | |
| acts. | | |
| | | |
| (42) The obligations regarding the | | |
| greenhouse gas emissions reduction and the use | | |
| of biofuels in Directive 98/70/EC should be | | |
| deleted in order to streamline and avoid double | | |
| regulation with regards to the strengthened | | |
| transport fuel decarbonisation obligations which | | |
| are provided for in Directive (EU) 2018/2001. | | |
| | | |
| (43) The obligations regarding the monitoring | | |
| of and reporting on the greenhouse gas emission | | |
| reductions set out in Directive 98/70/EC should | | |
| be deleted to avoid regulating reporting | | |
| obligations twice. | | |
| | | |
| (44) Council Directive (EU) 2015/652, which | | |
| provides the detailed rules for the uniform | | |

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| implementation of Article 7a of Directive | | |
| 98/70/EC, should be repealed as it becomes | | |
| obsolete with the repeal of Article 7a of | | |
| Directive 98/70/EC by this Directive. | | |
| | | |
| (45) As regards bio-based components in | | |
| diesel fuel, the reference in Directive 98/70/EC | | |
| to diesel fuel B7, that is diesel fuel containing | | |
| up to 7 % fatty acid methyl esters (FAME), | | |
| limits available options to attain higher biofuel | | |
| incorporation targets as set out in Directive | | |
| (EU) 2018/2001. That is due to the fact that | | |
| almost the entire Union supply of diesel fuel is | | |
| already B7. For that reason the maximum share | | |
| of bio-based components should be increased | | |
| from 7% to 10%. Sustaining the market uptake | | |
| of B10, that is diesel fuel containing up to 10 % | | |
| fatty acid methyl esters (FAME), requires a | | |
| Union-wide B7 protection grade for 7% FAME | | |
| in diesel fuel due to the sizeable proportion of | | |

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| vehicles not compatible with B10 expected to be | | |
| present in the fleet by 2030. This should be | | |
| reflected in Article 4, paragraph 1, second | | |
| subparagraph of Directive 98/70/EC as amended | | |
| by this act. | | |
| | | |
| (46) The transitional provisions should allow | | |
| for an ordered continuation of data collection | | |
| and the fulfilment of reporting obligations with | | |
| respect to the articles of Directive 98/70/EC | | |
| deleted by this Directive. | | |
| | | |
| (47) In accordance with the Joint Political | | |
| Declaration of 28 September 2011 of Member | | |
| States and the Commission on explanatory | | |
| documents ¹ , Member States have undertaken to | | |
| accompany, in justified cases, the notification of | | |

OJ C 369, 17.12.2011, p. 14.

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| their transposition measures with one or more | | |
| documents explaining the relationship between | | |
| the components of a directive and the | | |
| corresponding parts of national transposition | | |
| instruments. With regard to this Directive, the | | |
| legislator considers the transmission of such | | |
| documents to be justified, in particular | | |
| following the judgment of the European Court | | |
| of Justice in Case Commission vs Belgium ¹ | | |
| (case C-543/17). | | |
| | | |
| HAVE ADOPTED THIS DIRECTIVE: | | |
| | | |
| Article 1 | | |
| | | |
| Amendments to Directive (EU) 2018/2001 | | |
| | | |

Judgment of the Court of Justice of 8 July 2019, Commission v Belgium, C-543/17, ECLI: EU: C:2019:573.

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| Directive (EU) 2018/2001 is amended as | | |
| follows: | | |
| | | C* // |
| (1) in Article 2, the second paragraph is | | |
| amended as follows: | | |
| | | |
| (a) point (4) is replaced by the following: | | |
| | | |
| 'gross final consumption of energy' means | | |
| the energy commodities delivered for energy | | |
| purposes to industry, transport, households, | | |
| services including public services, | | |
| agriculture, forestry and fisheries, the | | |
| consumption of electricity and heat by the | | |
| energy branch for electricity and heat and | | |
| transport fuel production, and losses of | | |
| electricity and heat in distribution and | | |
| <u>transmission</u> | | |
| | | |
| (a) point (36) is replaced by the following: | | |

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| | | |
| '(36) 'renewable fuels of non-biological origin' | | |
| means liquid and gaseous fuels the energy | | C*/ |
| content of which is derived from renewable | | |
| sources other than biomass;'; | | |
| (b) point (47) is replaced by the following: | | |
| | | |
| '(47) 'default value' means a value | | |
| derived from a typical value by the application | | |
| of pre-determined factors and that may, in | | |
| circumstances specified in this Directive, be | | |
| used in place of an actual value;'; | | |
| (c) the following points are added: | | |
| | | |
| '(1a) 'quality roundwood' means roundwood | | |
| felled or otherwise harvested and removed, | | |
| whose characteristics, such as species, | | |
| dimensions, rectitude, and node density, make it | | |

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| suitable for industrial use, as defined and duly | | |
| justified by Member States according to the | | |
| relevant forest conditions. This does not include | | |
| pre-commercial thinning operations or trees | | |
| extracted from forests affected by fires, pests, | | |
| diseases or damage due to abiotic factors; | | |
| | | |
| (14a) 'bidding zone' means a bidding zone as | | |
| defined in Article 2, point (65) of Regulation | | |
| (EU) 2019/943 of the European Parliament and | | |
| of the Council ¹ ; | | |
| | | |
| (14b) 'smart metering system' means smart | | |
| metering system as defined in Article 2, point | | |

Regulation (EU) 2019/943 of the European Parliament and of the Council of 5 June 2019 on 14.6.2019, p. 54).

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| (23) of Directive (EU) 2019/944 of the | | |
| European Parliament and of the Council ¹ ; | | |
| | | C*// |
| (14c) 'recharging point' means recharging point | | |
| as defined in point 33 of Article 2, point (33) of | | |
| Directive (EU) No 2019/944; | | |
| | | |
| (14d) 'market participant' means market | | |
| participant as defined in point (25) of Article 2, | | |
| point (25) of Regulation (EU) 2019/943; | | |
| (14e) 'electricity market' means electricity | | |
| market as defined in Article 2, point (9) of | | |
| Directive 2019/944; | | |
| | | |
| (14f) 'domestic battery' means a stand-alone | | |
| rechargeable battery of rated capacity greater | | |

Directive Regulation (EU) 2019/944 of the European Parliament and of the Council of 5 June 2019 on common rules for the internal market for electricity and amending Directive 2012/27/EU (OJ L 158, 14.6.2019, p. 125).

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| than 2 kwh, which is suitable for installation and | | |
| use in a domestic environment; | | |
| | | |
| (14g) 'electric vehicle battery' means an electric | 7 | |
| vehicle battery as defined in Article 2, point | | |
| (12) of [the proposed Regulation concerning | | |
| batteries and waste batteries, repealing Directive | | |
| 2006/66/EC and amending Regulation (EU) No | | |
| 2019/1020 ¹]; | | |
| | | |
| (14h) 'industrial battery' means industrial | | |
| battery as defined in Article 2. point (11) of [the | | |
| proposed Regulation concerning batteries and | | |
| waste batteries, repealing Directive 2006/66/EC | | |
| and amending Regulation (EU) No 2019/1020]; | | |
| | | |
| (14i) 'state of health' means state of health as | | |

¹ COM(2020) 798 final

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| defined in point (25) of Article 2, point (25) of | | |
| [the proposal for a Regulation concerning | | |
| batteries and waste batteries, repealing Directive | | |
| 2006/66/EC and amending Regulation (EU) No | | |
| 2019/1020 ¹]; | | |
| | | |
| (14j) 'state of charge' means state of charge as | | |
| defined in Article 2, point (24) of [the proposal | | |
| for a Regulation concerning batteries and waste | | |
| batteries, repealing Directive 2006/66/EC and | | |
| amending Regulation (EU) 2019/1020]; | | |
| | | |
| (14k) 'power set point' means the dynamic | | |
| information held in a battery's management | | |
| system prescribing the electric power settings at | | |
| which the battery should optimally operates | | |
| during a recharging s during a recharging or a | | |

the proposal for a Commission-Regulation of the European Parliament and of the Council 'concerning batteries and waste batteries, ——repealing Directive 2006/66/EC and amending Regulation (EU) 2019/1020 (xxxx).

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| discharging operation, so that its state of health | | |
| and operational use are optimised; | | |
| | | C.// |
| (141) 'smart charging' means a recharging | | |
| operation in which the intensity of electricity | | |
| delivered to the battery is adjusted in real-time, | | |
| based on information received through | | |
| electronic communication; | | |
| | | |
| (14m) 'regulatory authority' means regulatory | | |
| authority defined in Article 2, point (2) of | | |
| Regulation (EU) 2019/943; | | |
| | | |
| (14n) 'bidirectional charging' means smart | | |
| charging where the direction of electric current | | |
| charge may be reversed, so that electric power | | |
| is transferred eharge flows from the battery to | | |
| the recharging point it is connected to; | | |
| | | |
| (140) 'normal power recharging point' means | | |

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| 'normal power recharging point' as defined in | | |
| Article 2 point 31 of [the proposal for a | | |
| Regulation concerning the deployment of | | |
| alternative fuel infrastructure, repealing | | |
| Directive 2014/94/EU]; | | |
| | | |
| (18a) 'industry' means companies and products | | |
| that fall <u>under</u> sections B, C, <u>and</u> F and <u>under</u> | | |
| section `J, division (63) of the statistical | | |
| classification of economic activities (NACE | | |
| REV.2) 1; | | |
| | | |
| (18b) 'non-energy purpose' means the use of | | |
| fuels as raw materials in an industrial process, | | |
| instead of being used to produce energy; | | |

Regulation (EC) No 1893/2006 of the European Parliament and of the Council of 20 December 2006 establishing the statistical classification of economic activities NACE Revision 2 and amending Council Regulation (EEC) No 3037/90 as well as certain EC Regulations on specific statistical domains (OJ L 393, 30.12.2006, p. 1).';

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| | | |
| (22a) 'renewable fuels' means biofuels, | | |
| bioliquids, biomass fuels and renewable fuels of | | C* // |
| non-biological origin; | | |
| | | |
| (44a) 'plantation forest' means a planted forest | | |
| that is intensively managed and meets, at | | |
| planting and stand maturity, all the following | | |
| criteria: one or two species, even age class, and | | |
| regular spacing. It includes short rotation | | |
| plantations for wood, fibre and energy, and | | |
| excludes forests planted for protection or | | |
| ecosystem restoration, as well as forests | | |
| established through planting or seeding which at | | |
| stand maturity resemble or will resemble | | |
| naturally regenerating forests; | | |
| | | |

¹ Delegations are informed that FAO definitions are used for "plantation forests" and "planted forests"

Deadline:

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| | |
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| | |
| | |
| | |
| | IE broadly supports the EU-wide ambition set |
| | out in the proposed text. |
| | |
| | |
| | |
| | |
| | |
| | Drafting Suggestions |

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| '3. Member States shall take measures to ensure | | IE broadly supports the proposed text. |
| that energy from biomass is produced in a way | | |
| that minimises undue distortive effects on the | | |
| biomass raw material market and harmful | | |
| impacts on biodiversity. To that end-, they shall | | |
| take into account the waste hierarchy as set out | | |
| in Article 4 of Directive 2008/98/EC and the | | |
| cascading principle referred to in the third | | |
| subparagraph. | | |
| | | |
| As part of the measures referred to in the first | | |
| subparagraph: | | |
| | | |
| (a) Member States shall grant no support | | |
| for: | | |
| | | |
| (i) the use of saw logs, veneer logs, stumps and | | |
| roots to produce energy. | | |
| | | |
| (ii) the production of renewable energy | | |

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| produced from the incineration of waste if the | | |
| separate collection obligations laid down in | | |
| Directive 2008/98/EC have not been complied | | |
| with. | | |
| | | |
| (iii) practices which are not in line with the | | |
| delegated act referred to in the third | | |
| subparagraph. | | |
| | | |
| (b) By the entry into force of this | | |
| amending Directive From 31 December 2026, | | |
| and without prejudice to the obligations in the | | |
| first sub-paragraph, Member States shall grant | | |
| no new support, nor renew any support, to the | | |
| production of electricity from forest biomass in | | |
| electricity-only-installations, unless such | | |
| electricity meets at least one of the following | | |
| conditions: | | |
| | | |
| (i) it is produced in a region identified in a | | |

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| territorial just transition plan approved by the | | |
| European Commission, in accordance with | | |
| Regulation (EU) 2021/ of the European | | |
| Parliament and the Council establishing the Just | | |
| Transition Fund due to its reliance on solid | | |
| fossil fuels, and meets the relevant | | |
| requirements set in Article 29(11) of this | | |
| <u>Directive</u> ; | | |
| | | |
| (ii) it is produced applying Biomass CO2 | | |
| Capture and Storage and meets the requirements | | |
| set in Article 29(11), second subparagraph_of | | |
| this Directive. | | |
| | | |
| <u>Bv</u> No later than one year after [the entry into | | |
| force of this amending Directive], the | | |
| Commission shall adopt a delegated act in | | |
| accordance with Article 35 on how to apply the | | |
| cascading principle for biomass, in particular on | | |
| how to minimise the use of quality roundwood | | |

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| for energy production, with a focus on support | | |
| schemes and with due regard to national | | |
| specificities. | | |
| | | |
| This delegated act shall allow national | | |
| specificities to be taken into account in | | |
| ensuring that the cascading principle is | | |
| applied in a flexible way also set out the | | |
| conditions under which Member States may | | |
| not fully apply the cascading principle based | | |
| on national specificities. In particular, it shall | | |
| allow Member States to grant derogations to | | |
| the cascading principle whenever provide | | |
| that the cascading principle shall not fully | | |
| apply when the local industry is | | |
| quantitatively or technically inadequate | | |
| unable to use forest biomass according to a | | |
| higher economic and environmental added | | |
| value than energy, for feedstocks coming | | |
| from to transform the forest biomass | | |

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| stemming from: | | |
| (i) necessary forest management | | |
| activities, aimed notably in particular at | | C*/ |
| ensuring pre commercial thinning operations | | |
| or in compliance with national legislation on | | |
| wildfire prevention in high-risk areas; or | | |
| (ii) salvage logging following | | |
| documented natural disturbances as defined | | |
| in Regulation 2018/841]; or | | |
| | | |
| (iii) harvest of certain woods whose | | |
| characteristics are not suitable for local | | |
| processing facilities secondary species or | | |
| certain wood qualities for which no local | | |
| processing facilities exist. | | |
| | | |
| By 2026 the Commission shall present a report | | |
| on the impact of the Member States' support | | |
| schemes for biomass, including on biodiversity | | |
| and possible market distortions, and shall will | | |

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| assess the possibility for further limitations | | |
| regarding support schemes to forest biomass.'; | | |
| | | |
| (c) the following paragraph 4a is inserted: | | |
| | | |
| '4a. Member States shall establish a framework, | | |
| which may include support schemes and | | |
| measures facilitating the uptake of renewable | | |
| power purchase agreements, enabling the | | |
| deployment of renewable electricity to a level | | |
| that is consistent with the Member State's | | |
| national contribution referred to in paragraph 2 | | |
| and at a pace that is consistent with the | | |
| indicative trajectories referred to in Article | | |
| 4(a)(2) of Regulation (EU) 2018/1999. In | | |
| particular, that framework shall tackle | | |
| remaining barriers, including those related to | | |
| permitting procedures, to a high level of | | |
| renewable electricity supply. When designing | | |
| that framework, Member States shall take into | | |

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| account the additional renewable electricity | | |
| required to meet demand in the transport, | | |
| industry, building and heating and cooling | | |
| sectors and for the production of renewable | | |
| fuels of non-biological origin.'; | | |
| (2) Artisla 7 is amonded as follows: | | |
| (3) Article 7 is amended as follows: | | |
| (a) in paragraph 1, the second subparagraph | | |
| is replaced by the following: | | |
| | | |
| 'With regard to the first subparagraph, point | | IE understands the logic of the proposal |
| (a), (b), or (c), gas and electricity from | | providing that energy produced from renewable |
| renewable sources shall be considered only once | | fuels of non-biological origin (RFNBOs) shall |
| for the purposes of calculating the share of gross | | be accounted in the sector where it is consumed. |
| final consumption of energy from renewable | | |
| sources. Energy produced from renewable fuels | | However, the proposal could disincentive the |
| of non-biological origin shall be accounted in | | production of green hydrogen from renewable |
| the sector - electricity, heating and cooling or | | electricity, particularly for those MS with a |
| transport - where it is consumed.' | | relatively large potential for deployment of low- |

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| | | cost renewable electricity generation paired with |
| | | electrolysers and a relatively small domestic |
| | | market. |
| | | |
| | | In the context of the EU Hydrogen Strategy |
| | | target of 40GW of electrolysers for 2030 it is |
| | | important that the production of green hydrogen |
| | | is appropraitely incentivised by ensuring that, |
| | | where a RFNBO producer in one MS is |
| | | exported to another MS, some portion of the |
| | | RES share associated with the RFNBO may be |
| | | allocated to the exporting MS. |
| | | |
| | | This could be implemented by amending the |
| | | draft proposal in a number of ways: |
| | | • at a minimum, MS should have the |
| | | flexibility to agree on a different allocation of |
| | | RES target amounts between consuming and |
| | | producing MS by means of a cooperation |
| | | agreement in accordance with Article 8 and 9 of |

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| | | the REDII; |
| | | this article could provide for an explicit |
| | | allocation key, which allocates the RES share |
| | | from RFNBOs between MS in the case of an |
| | | RFNBO being produced using RES sources in |
| | | one state being exported to another MS (e.g. |
| | | 50/50); or, |
| | | this article could provide the producing |
| | | MS may consider some portion of the renewable |
| | | electricity used to produce the RFNBO as |
| | | within its RES share where the RFNBO is |
| | | consumed within another MS – this will allow |
| | | for a small level of double counting |
| | | |
| Member States may agree, via a specific | | |
| cooperation agreement, to account the | | |
| renewable fuels of non-biological origin | | |
| consumed in one Member State towards the | | |
| share of gross final consumption of energy | | |
| from renewable sources in the Member State | | |

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| where they were produced. In order to | | |
| monitor that the same renewable fuels of | | |
| non-biological origin are not accounted in | | |
| both the Member State where they are | | |
| produced and in the Member State where | | |
| they are consumed and to record the amount | | |
| claimed, the Commission shall be notified of | | |
| any such agreement, including the amount of | | |
| RFNBOs to be counted in total and for each | | |
| Member State and the date on which such | | |
| agreement will become operational. | | |
| | | |
| (b) in paragraph 2, the first subparagraph is | | |
| replaced by the following: | | |
| | | |
| 'For the purposes of paragraph 1, first | | IE re-iterates its comments on Article 1(3)(a) |
| subparagraph, point (a), gross final consumption | | with regard to considering a provision that a MS |
| of electricity from renewable sources shall be | | producing RFNBO from renewable electricity |
| calculated as the quantity of electricity produced | | may consider some quanitity of the renewable |
| in a Member State from renewable sources, | | electricity used to produce the RFNBO as |

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| including the production of electricity from | | within its RES share where the RFNBO is |
| renewables self-consumers and renewable | | consumed within another MS. |
| energy communities and electricity from | | |
| renewable fuels of non-biological origin and | | |
| excluding the production of electricity in | | |
| pumped storage units from water that has | | |
| previously been pumped uphill as well as the | | |
| electricity used to produce renewable fuels of | | |
| non-biological origin.'; | | |
| | | |
| (c) in paragraph 4, point (a) is replaced by | | |
| the following: | | |
| | | |
| '(a) Final consumption of energy from | | IE supports this technical change. |
| renewable sources in the transport sector shall | | |
| be calculated as the sum of all biofuels, biogas | | |
| and renewable fuels of non-biological origin | | |
| consumed in the transport sector.'; | | |
| | | |
| (4) Article 9 is amended as follows: | | |

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| | | |
| (a) the following paragraph 1a is inserted: | | |
| | | C *// |
| '1a. By 31 December 2025, each Member State | | IE supports this revision noting that |
| shall <u>endeavour to</u> agree <u>onto</u> establish <u>ing</u> at | | corresponding amendments should be made to |
| least one joint project with one or more other | | the relevant recital (Rec 8) as appropriate |
| Member States for the production of renewable | | |
| energyThe Commission shall be notified of | | |
| such an agreement, including the date on which | | |
| the project is expected to become operational. | | |
| Projects financed by national contributions | | |
| under the Union renewable energy financing | | |
| mechanism established by Commission | | |
| Implementing Regulation (EU) 2020/1294 ¹ shall | | |
| be deemed to satisfy this obligation for the | | |
| Member States involved.'; | | |
| | | |

¹ Commission Implementing Regulation (EU) 2020/1294 of 15 September 2020 on the Union renewable energy financing mechanism (OJ L 303, 17.9.2020, p. 1).

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| (b) the following paragraph is inserted: | | |
| | | |
| '7a. Member States bordering a sea basin shall | | IE supports the need for cooperation regarding |
| agree to cooperate to jointly define on goals for | | development of offshore renewables within each |
| the amount of offshore renewable generation to | | EU sea basin maritime area. This is particularly |
| be deployed within each energy they plan to | | relevant for offshore grid planning and |
| produce in that sea basin by 2050, with | | development. However, to ensure consistency |
| intermediate steps in 2030 and 2040, in | | with General Approach on the amended TEN-E |
| accordance with [Revised Regulation (EU) | | Regulation agreed at Energy Council in June, |
| No 347/2013]- They shall take into account the | | Article 9(7a) must clarify that any such |
| specificities and development in each region, | | cooperation takes place on a purely voluntary |
| the offshore renewable potential of the sea basin | | non-binding basis. |
| and the importance of ensuring the associated | | |
| integrated grid planning. Member States shall | | |
| notify that amount these goals in the updated | | |
| integrated national energy and climate plans | | |
| submitted pursuant to Article 14 of Regulation | | |
| (EU) 2018/1999.'; | | |
| | | |
| (5) Article 15 is amended as follows: | | |

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| | | |
| (a) paragraph 2 is replaced as follows: | | |
| | | C*// |
| '2. Member States shall clearly define any | | IE has suggested the insertion of a definition of |
| technical specifications which are to be met by | | harmonised standard to add clarity. |
| renewable energy equipment and systems in | | |
| order to benefit from support schemes. Where | | IE queries whether there are 'harmonised |
| harmonised standards or European standards | | standards' references to which been not |
| exist, including technical reference systems | | published in the OJEU. Our understanding is |
| established by the European standardisation | | that ordinarily harmonised standards have to be |
| organisations, such technical specifications shall | | published in the OJEU as a matter of course. |
| be expressed in terms of those standards. | | |
| Precedence shall be given to harmonised | | |
| standards, the references of which have been | | |
| published in the Official Journal of the | | |
| European Union in support of European | | |
| legislation, in their absence, other harmonised | | |
| standards and European standards shall be used, | | |
| in that order. Such technical specifications shall | | |
| not prescribe where the equipment and systems | | |

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| are to be certified and shall not impede the | | |
| proper functioning of the internal market.'; | | |
| | | C.// |
| (b) paragraphs 4, 5, 6 and 7 are deleted; | 7 | |
| | | |
| (c) paragraph 8 is replaced by the following: | | |
| | | |
| '8. Member States shall assess the regulatory | disproportionate or discriminatory | IE is broadly supportive of this strengthened |
| and administrative barriers to long-term | procedures or charges, add to the deployment | article on promoting renewable energy power |
| renewables power purchase agreements, and | of renewable electricity installations, | purchase agreements and removing barriers to |
| shall remove unjustified barriers to, and | incorporate consideration of impacts on the | their uptake. |
| promote the uptake of, such agreements, | electricity grid, and that any associated | |
| including by exploring how to reduce the | guarantees of origin | IE has suggested the inclusion of a requirement |
| financial risks associated with them, in | | that such agreements ensure the deployment of |
| particular by using credit guarantees. Member | | additional renewable electricity installations. |
| States shall ensure that those agreements are not | | The key advantage of PPAs is the capacity to |
| subject to disproportionate or discriminatory | | provide the level of financial certainty to enable |
| procedures or charges, and that any associated | | additional installations. PPAs signed with |
| guarantees of origin can be transferred to the | | existing facilities do not provide such an |
| buyer of the renewable energy under the | | advantage and may allow PPA offtakers to |

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| renewable power purchase agreement. | | make claims of 'renewability' while not |
| | | contributing to additional renewable electricity |
| | | deployment. |
| | | |
| Member States shall describe their policies and | | |
| measures promoting the uptake of renewables | | |
| power purchase agreements in their integrated | | |
| national energy and climate plans referred to in | | |
| Articles 3 and 14 of Regulation (EU) 2018/1999 | | |
| and progress reports submitted pursuant to | | |
| Article 17 of that Regulation. They shall also | | |
| provide, in those reports, an indication of the | | |
| volume of renewable power generation | | |
| supported by renewables power purchase | | |
| agreements.'; | | |
| | | |
| Following the assessment of Member States | | IE is supportive of further guidance from the |
| under the first subparagraph, the | | Commission on Power Purchase Agreements, |
| Commission shall analyse the barriers to | | while noting that such instruments must deliver |
| long-term power purchase agreements and in | | genuine additionality, lead to lower costs for all |

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| particular to the deployment of cross-border | | consumers and support technologies that |
| renewable power purchase agreements and | | minimise grid and overall system costs. |
| issue guidance on the removal of these | | |
| barriers'; | | |
| | | |
| In the planning and permit-granting process, | as being in the public interest and serving | IE broadly supports the revised text on |
| the deployment of energy from renewable | public safety and should be accommodated | renewable energy and grid infrastructure being |
| sources and the related grid infrastructure is | where appropriate, without prejudice of Union | considered in the public interest without |
| considered as being in the public interest and | and national laws on environmental protection. | prejudice of Union and national laws on |
| serving public safety without prejudice to | | environmental protection. |
| Union and national laws on environmental | | |
| protection. | | It would be necessary to have some |
| | | principles/policies around the provision if it is to |
| | | be accepted in revised format to provide clarity, |
| | | and it should apply equally to offshore and |
| | | onshore permitting. |
| | | |
| | | Further detail on the how the public interest will |
| | | be defined with regard renewable energy and |
| | | grid infrastructure is required. We note that the |

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| | | meaning of "public interest" may vary from |
| | | time to time. As such, Member States should be |
| | | allowed to define public interest in the context |
| | | of Member States' priorities to ensure flexibility |
| | | and power to review applications holistically. |
| | | What is the rationale for the specific addition of |
| | | the 'public safety' qualification? The reference |
| | | to public safety is unnecessary as it would fall |
| | | under the public interest test. |
| | | |
| (d) the following paragraph 9 is added: | | |
| '9. By [one year] after the entry into force of | | |
| | | |
| this amending Directive, the Commission shall | | |
| review, and where appropriate, propose | | |
| modifications to, the rules on administrative | | |
| procedures set out in Articles 15 (1) and (3), 16 | | |
| and 17 and their application, and may take | | |
| <u>consider</u> additional measures to support | | |

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| Member States in their implementation.'; | | |
| | | |
| (6) the following Article <u>15a</u> is inserted: | | |
| | | |
| 'Article 15a | | |
| | | |
| Mainstreaming renewable energy in | | |
| buildings | | |
| | | |
| 1. In order to promote the production and | | |
| use of renewable energy in the building sector, | | |
| Member States shall <u>define</u> set an indicative | | |
| target for the share of renewables in final energy | | |
| consumption in their buildings sector in 2030 | | |
| that is consistent with an indicative target of at | | |
| least a [49] % share of energy from renewable | | |
| sources in the buildings sector <u>at in</u> the Union's | | |
| <u>level</u> final consumption of energy in 2030. The | | |
| national <u>indicative share</u> target shall be | | |
| expressed in terms of share of national final | | |

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| energy consumption and_calculated in | | |
| accordance with the methodology set out in | | |
| Article 7. Member States shall include their | | |
| share target in the updated-integrated national | | |
| energy and climate plans submitted referred to | | |
| in Articles 3 and pursuant to Article 14 of | | |
| Regulation (EU) 2018/1999 as well as | | |
| information on how they plan to achieve it. | | |
| | | |
| 2. Member States shall introduce | | |
| appropriate measures in their building | | |
| national regulations and building codes and, | | |
| where applicable, in their support schemes, to | | |
| increase the share of electricity and heating and | | |
| cooling from renewable sources in the building | | |
| stock. This may, includeing national measures | | |
| relating to substantial increases in renewables | | |
| self-consumption, renewable energy | | |
| communities and local energy storage, in | | |
| combination with energy efficiency | | |

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| Presidency compromise text | Drafting Suggestions | Comments |
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| improvements relating to cogeneration and deep | | |
| renovations which increase the number of | | |
| nearly zero energy buildings and buildings | | C ¹ » |
| that go beyond minimum energy | | |
| performance requirements according to | | |
| article5(1) of Directive 2010/31/EU passive, | | |
| nearly zero-energy and zero-energy | | |
| buildings. To achieve the indicative share of | | |
| renewables set out in paragraph 1, Member | | |
| States shall, in their building national | | |
| regulations and building codes and, where | | |
| applicable, in their support schemes or by other | | |
| means with equivalent effect, require the use of | | |
| minimum levels of energy from renewable | | |
| sources in new buildings and in existing | | |
| buildings that are subject to renovation, in | | |
| line with the provisions of Directive | | |
| 2010/31/EU. Member States shall allow those | | |
| minimum levels to be fulfilled, among others, | | |
| through efficient district heating and cooling. | | |

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| | | |
| For existing buildings, the first subparagraph | | |
| shall apply to the armed forces only to the | | C*/ |
| extent that its application does not cause any | | |
| conflict with the nature and primary aim of the | | |
| activities of the armed forces and with the | | |
| exception of material used exclusively for | | |
| military purposes. | | |
| | | |
| 3. Member States shall ensure that public | | IE broadly supports this provision. |
| buildings at national, regional and local level, | | |
| fulfil an exemplary role as regards the share of | | |
| renewable energy used, in accordance with the | | |
| provisions of Article 9 of Directive 2010/31/EU | | |
| and Article 5 of Directive 2012/27/EU. Member | | |
| States may, among others, allow that obligation | | |
| to be fulfilled by providing for the roofs of | | |
| public or mixed private-public buildings to be | | |
| used by third parties for installations that | | |
| produce energy from renewable sources. | | |

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| | | |
| 4. In order to achieve the indicative share | | |
| of renewable energy set out in paragraph 1, | | |
| Member States shall promote the use of | | |
| renewable heating and cooling systems and | | |
| equipment. To that end, Member States shall | | |
| use all appropriate measures, tools and | | |
| incentives, including, among others, energy | | |
| labels developed under Regulation (EU) | | |
| 2017/1369 of the European Parliament and of | | |
| the Council ¹ , energy performance certificates | | |
| pursuant to Directive 2010/31/EU, or other | | |
| appropriate certificates or standards developed | | |
| at national or Union level, and shall ensure the | | |
| provision of adequate information and advice on | | |
| renewable, highly energy efficient alternatives | | |
| as well as on financial instruments and | | |

Regulation (EU) 2017/1369 of the European Parliament and of the Council of 4 July 2017 setting a framework for energy labelling and repealing Directive 2010/30/EU (OJ L 198, 28.7.2017, p. 1).

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| incentives available to promote an increased | | |
| replacement rate of old heating systems and an | | |
| increased switch to solutions based on | | |
| renewable energy.'; | | |
| | | |
| (7) in Article 18, paragraphs 3 and 4 are | | |
| replaced by the following: | | |
| | | |
| '3. Member States shall ensure that certification | | |
| schemes or equivalent qualification schemes | | |
| are available for installers and designers of all | | |
| forms of renewable heating and cooling systems | | |
| in buildings, industry and agriculture, and for | | |
| installers of solar photovoltaic systems. Those | | |
| schemes may take into account existing schemes | | |
| and structures as appropriate, and shall be based | | |
| on the criteria laid down in Annex IV. Each | | |
| Member State shall recognise the certification | | |
| awarded by other Member States in accordance | | |
| with those criteria. | | |

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| | | |
| Member States shall set up the framework | | |
| ensur <u>inge</u> that trained and qualified installers of | | C*/ |
| renewable heating and cooling systems are | | |
| available in sufficient numbers for the relevant | | |
| technologies to service the growth of renewable | | |
| heating and cooling required to contribute to the | | |
| annual increase in the share of renewable energy | | |
| in the heating and cooling sector as set out in | | |
| Article 23. | | |
| | | |
| To achieve such sufficient numbers of installers | | |
| and designers, Member States shall ensure that | | |
| sufficient training programmes leading to | | |
| qualification or certification covering renewable | | |
| heating and cooling technologies, and their | | |
| latest innovative solutions, are made available. | | |
| Member States shall put in place measures to | | |
| promote participation in such programmes, in | | |
| particular by small and medium-sized | | |

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| enterprises and the self-employed. Member | | |
| States may put in place voluntary agreements | | |
| with the relevant technology providers and | | |
| vendors to train sufficient numbers of installers, | | |
| which may be based on estimates of sales, in the | | |
| latest innovative solutions and technologies | | |
| available on the market. | | |
| | | |
| 4. Member States shall make information on the | | |
| certification schemes or equivalent | | |
| qualification schemes referred to in paragraph | | |
| 3 available to the public. Member States shall | | |
| ensure that the list of installers who are qualified | | |
| or certified in accordance with paragraph 3 is | | |
| regularly updated and made available to the | | |
| public.'; | | |
| | | |
| (8) Article 19 is amended as follows: | | |
| | | |
| (a) paragraph 2 is amended as follows: | | |

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| | | |
| (i) the first subparagraph is replaced by the | | |
| following: | | L*// |
| | | |
| 'To that end, Member States shall ensure that a | | |
| guarantee of origin is issued in response to a | | |
| request from a producer of energy from | | |
| renewable sources, unless Member States | | |
| decide, for the purposes of accounting for the | | |
| market value of the guarantee of origin, not | | |
| to issue such a guarantee of origin to a | | |
| producer that receives financial support from | | |
| <u>a support scheme.</u> Member States may arrange | | |
| for guarantees of origin to be issued for energy | | |
| from non-renewable sources. Issuance of | | |
| guarantees of origin may be made subject to a | | |
| minimum capacity limit. A guarantee of origin | | |
| shall be of the standard size of 1 MWh. No | | |
| more than one guarantee of origin shall be | | |
| issued in respect of each unit of energy | | |

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| produced. ² ; | | |
| | | |
| By way of derogation to the paragraph above. | | <u>_ " // </u> |
| Member States that have decided, for the | | |
| purposes of accounting, not to issue such a | | |
| guarantee of origin to a producer that receives | | |
| financial support from a support scheme, may | | |
| continue to do so for a transitional period up to | | |
| 31 December 2024'; | | |
| | | |
| (ii) the fifth subparagraph is deleted; | | |
| | | |
| (b) in paragraph 8, the first subparagraph is | | |
| replaced by the following: | | |
| | | |
| 'Where an electricity supplier is required to | for which the supplier may use the residual | |
| demonstrate the share or quantity of energy | mix; or, where a Member State decides not to | |
| from renewable sources in its energy mix for the | issue guarantees of origin to a producer that | |
| purposes of Article 3(9), point (a) of Directive | receives financial support from a support | |
| 2009/72/EC, it shall do so by using guarantees | scheme. | |

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| of origin except as regards the share of its | | |
| energy mix corresponding to non-tracked | | |
| commercial offers, if any, for which the supplier | | |
| may use the residual mix.'; | | |
| | | |
| (9) in Article 20, paragraph 3 is replaced by | | |
| the following: | | |
| | | |
| '3. Subject to their assessment included in the | | |
| integrated national energy and climate plans in | | |
| accordance with Annex I to Regulation (EU) | | |
| 2018/1999 on the necessity to build new | | |
| infrastructure for district heating and cooling | | |
| from renewable sources in order to achieve the | | |
| Union target set in Article 3(1) of this Directive, | | |
| Member States shall, where relevant, take the | | |
| necessary steps with a view to developing | | |
| efficient district heating and cooling | | |
| infrastructure to promote heating and cooling | | |
| from renewable energy sources, including solar | | |

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| energy, ambient energy, geothermal energy, | | |
| biomass, biogas, bioliquids and waste heat and | | |
| cold, in combination with thermal energy | | (¹ / ₂) |
| storage.'; | | |
| | | |
| (10) the following Article 20a is inserted: | | |
| | | |
| 'Article 20a | | |
| | | |
| Facilitating system integration of renewable | | |
| electricity | | |
| | | |
| '1. Member States shall require transmission | | |
| system operators and, when appropriate, | | |
| distribution system operators in their territory to | | |
| make available information on the share of | | |
| renewable electricity and the greenhouse gas | | |
| emissions content of the electricity supplied in | | |
| each bidding zone, as accurately as possible and | | |
| as close to real time as possible per market | | |

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| time unit but in time intervals of no more than | | |
| one hour, with forecasting where available. This | | |
| information shall be made available digitally in | | |
| a manner that ensures it can be used by | | |
| electricity market participants, aggregators, | | |
| consumers and end-users, and that it can be read | | |
| by electronic communication devices such as | | |
| smart metering systems, electric vehicle | | |
| recharging points, heating and cooling systems | | |
| and building energy management systems. | | |
| | | |
| 2. In addition to the requirements in [the | | |
| proposal for a Regulation concerning batteries | | |
| and waste batteries, repealing Directive | | |
| 2006/66/EC and amending Regulation (EU) No | | |
| 2019/1020], Member States shall ensure that | | |
| manufacturers of domestic and industrial | | |
| batteries enable real-time access to basic battery | | |
| management system information, including | | |
| battery capacity, state of health, state of charge | | |

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| and power set point, to battery owners and users | | |
| as well as to third parties acting on their behalf, | | |
| such as building energy management companies | | |
| and electricity market participants, under non- | | |
| discriminatory terms and at no cost. | | |
| | | |
| Member States shall ensure that vehicle | | |
| manufacturers make available, in real-time, in- | | |
| vehicle data related to the battery state of health, | | |
| battery state of charge, battery power set_point, | | |
| battery capacity, as well as the location of | | |
| electric vehicles to electric vehicle owners and | | |
| users, as well as to third parties acting on the | | |
| owners' and users' behalf, such as electricity | | |
| market participants and electromobility service | | |
| providers, under non-discriminatory terms and | | |
| at no cost, in addition to further requirements in | | |
| the type approval and market surveillance | | |
| regulation. | | |
| | | |

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| 3In addition to the requirements in [the | | |
| proposal for a Regulation concerning the | | |
| deployment of alternative fuel infrastructure, | | |
| repealing Directive 2014/94/EU], Member | | |
| States or their designated competent | | |
| authorities shall ensure that new and replaced | | |
| non-publicly accessible normal power | | |
| recharging points installed in their territory from | | |
| [the transposition deadline of this amending | | |
| Directive] can support smart charging | | |
| functionalities and, where appropriate, in | | |
| accordance with the requirements of Article | | |
| 14 (3) and (4) of [the proposal for a | | |
| Regulation concerning the deployment of | | |
| alternative fuel infrastructure based on | | |
| assessment by the regulatory authority, | | |
| bidirectional charging functionalities. | | |
| | | |
| 4. In addition to the requirements in | In addition to the requirements in Directive | Irish position aligns broadly with the objectives |
| Directive (EU) 2019/944 and Regulation | (EU) 2019/944 and Regulation (EU) 2019/943, | of the Article as outlined in this updated text. IE |

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| (EU) 2019/943, Member States shall ensure that | Member States shall ensure that the national | considers that the obligation in respect of the |
| the national regulatory framework allows does | regulatory framework allows small or mobile | establishment of the technical framework would |
| not discriminate against participation in the | systems such as domestic batteries and electric | face the regulatory authorities. |
| electricity markets, including congestion | vehicles to participate in the electricity markets, | |
| management and the provision of flexibility and | including congestion management and the | |
| balancing services, of small or mobile systems | provision of flexibility and balancing services, | |
| such as domestic batteries and electric vehicles | through aggregation. For this purpose, | |
| to participate in the electricity markets, | Regulatory authorities shall, in close | |
| including congestion management and the | cooperation with all market participants and | |
| provision of flexibility and balancing | regulatory authorities, establish technical | |
| services, both directly and through aggregation. | requirements for participation in those markets, | |
| For this purpose, Member states shall, in | on the basis of the technical characteristics of | |
| close cooperation with all market | those markets.' | |
| participants and regulatory authorities, | | |
| establish technical requirements for | | |
| participation in those markets, on the basis of | | |
| the technical characteristics of those | | |
| markets.'; | | |
| | | |
| (11) the following Article 22a is inserted: | | |

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| | | |
| 'Article 22a | | |
| | | L'// |
| Mainstreaming renewable energy in industry | | |
| Member States shall endeavour to | | Ireland is not clear on how electrification is |
| increase the share of renewable sources in the | | assessed in this target – is the portion of |
| amount of energy sources used for final energy | | renewable electricity used considered in the % |
| and non-energy purposes in the industry sector | | increase? Or is it only on-site emissions and |
| by an indicative [average minimum annual | | therefore electrification essentially removes the |
| increase of of at least 1.1 percentage points as | | process from total heat, reducing the |
| an annual average calculated for the periods | | denominator? |
| 2021 to 2025 and 2026 to 2030. as an annual | | The wording does not seem to acknowledge the |
| average calculated every 3 years by 2030]. | | central role that electrification will play in |
| | | decarbonising industrial energy use, and the |
| | | target and metric are therefore not properly |
| | | capturing a key component of the transition. |
| | | Ireland will seek to increase the share of |
| | | industry renewables use primarily through |

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| | | electrification, and therefore the methodology |
| | | for assessing that "share of renewable sources in |
| | | the amount of energy sources used for final |
| | | energy and non-energy purposes" is increasing |
| | | above the % will need to be explicit in how |
| | | electrification of final energy use is attributed. |
| | | |
| | | |
| Member States shall include the measures | | |
| planned and taken to achieve such indicative | | |
| increase in their integrated national energy and | | |
| climate plans and progress reports submitted | | |
| pursuant to Articles 3, 14 and 17 of Regulation | | |
| (EU) 2018/1999. | | |
| | | |
| Member States shall ensure that the contribution | | |
| of renewable fuels of non-biological origin used | | |
| for final energy and non-energy purposes shall | | |
| be [40 XX] % of the hydrogen used for final | | |

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| energy and non-energy purposes in industry by | | |
| [2030 XX] and [50] % by [2035 XX]. For the | | |
| calculation of that percentage, the following | | |
| rules shall apply: | | |
| | | |
| (a) For the calculation of the denominator, | | |
| the energy content of hydrogen for final energy | | |
| and non-energy purposes shall be taken into | | |
| account, excluding hydrogen used as | | |
| intermediate products for the production of | | |
| conventional transport fuels. | | |
| | | |
| (b) For the calculation of the numerator, the | | |
| energy content of the renewable fuels of non- | | |
| biological origin consumed in the industry | | |
| sector for final energy and non-energy purposes | | |
| shall be taken into account, excluding renewable | | |
| fuels of non-biological origin used as | | |
| intermediate products for the production of | | |
| conventional transport fuels. | | |

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| (c) For the calculation of the numerator and the denominator, the values regarding the energy content of fuels set out in Annex III shall | | |
| be used. | | |
| 2. Member States shall ensure that industrial products that are labelled or claimed | | |
| to be produced with renewable energy and renewable fuels of non-biological origin shall | | |
| indicate the percentage of renewable energy used or renewable fuels of non-biological origin | | |
| used in the raw material acquisition and pre- processing, manufacturing and distribution | | |
| stage, calculated on the basis of the | | |

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| methodologies laid down in Recommendation | | |
| 2013/179/EU ¹ or, alternatively, ISO | | |
| 14067:2018.'; | | |
| | | |
| (12) Article 23 is amended as follows: | | |
| | | |
| (a) paragraph 1 is replaced by the following: | | |
| | | |
| '1. In order to promote the use of renewable | | |
| energy in the heating and cooling sector, each | | |
| Member State_shall, increase the share of | | |
| renewable energy in that sector by at least 1.1 | | |
| 0.8 percentage points as an annual average | | |
| calculated for the periods-2021 to 2025 and by | | |
| at least 1.1 percentage points as an annual | | |
| average calculated for the period 2026 to | | |
| 2030, starting from the share of renewable | | |

¹ 2013/179/EU: Commission Recommendation of 9 April 2013 on the use of common methods to measure and communicate the life cycle environmental performance of products and organisations, OJ L 124, 4.5.2013, p. 1–210

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| energy in the heating and cooling sector in | | |
| 2020, expressed in terms of national share of | | |
| gross final energy consumption and calculated | | |
| in accordance with the methodology set out in | | |
| Article 7. | | |
| | | |
| That increase shall be of [1.5] percentage points | | |
| for Member States where waste heat and cold is | | |
| used. In that case, Member States may count | | |
| waste heat and cold up to 40 % of the average | | |
| annual increase. | | |
| | | |
| Member States may count waste heat and | | |
| cold towards the average annual increases | | |
| referred to in the first subparagraph, up to a | | |
| limit of 0.4 percentage points. If they decide | | |
| to do so, the average annual increase shall | | |
| increase by half of the waste heat and cold | | |
| percentage points used to an upper limit of | | |
| 1.0 percentage points for the period 2021- | | |

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| 2025 and of 1.3 percentage points for the | | |
| period 2026-2030. | | |
| | | |
| Member States shall inform the Commission | 7 | |
| about their intention to count waste heat and | | |
| cold and the estimated amount in their | | |
| integrated national energy and climate plans | | |
| submitted pursuant to Articles 3 and 14 of | | |
| Regulation (EU) 2018/1999. In addition to the | | |
| minimum 1.1 percentage points annual increases | | |
| referred to in the first subparagraph, each | | |
| Member State shall endeavour to increase the | | |
| share of renewable energy in their heating and | | |
| cooling sector by the resulting shares as | | |
| additional indicative percentage points | | |
| amount set out in Annex 1a. | | |
| | | |
| (b) the following paragraph 1a is inserted: | | |
| | | |
| '1a. Member States shall carry out an | | |

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| assessment of their potential of energy from | | |
| renewable sources and of the use of waste heat | | |
| and cold in the heating and cooling sector | | C1 >> |
| including, where appropriate, an analysis of | | |
| areas suitable for their deployment at low | | |
| ecological risk and of the potential for small- | | |
| scale household projects. The assessment shall | | |
| set out milestones and measures to in increase | | |
| renewables in heating and cooling and, where | | |
| appropriate, the use of waste heat and cold | | |
| through district heating and cooling with a view | | |
| of establishing a long-term national strategy to | | |
| decarbonise heating and cooling. The | | |
| assessment shall be part of the integrated | | |
| national energy and climate plans referred to in | | |
| Articles 3 and 14 of Regulation (EU) | | |
| 2018/1999, and shall accompany the | | |
| comprehensive heating and cooling assessment | | |
| required by Article 14(1) of Directive | | |
| 2012/27/EU.'; | | |

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| | | |
| (c) in paragraph 2, first subparagraph, point | | |
| (a) is deleted. first subparagraph: | | C*/ |
| | *************************************** | |
| - the introductory phrase is replaced by the | | |
| following: | | |
| | | |
| 'For the purposes of paragraph 1, when | | |
| calculating its share of renewable energy in | | |
| the heating and cooling sector and its average | | |
| annual increase in accordance with that | | |
| paragraph, including the additional | | |
| indicative increase set out in Annex Ia, each | | |
| Member State:' | | |
| | | |
| - point (a) is deleted. | | |
| | | |
| (d) paragraph 4 is replaced by the following: | | |
| | | |
| '4. To achieve the average annual increase | | |

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| referred to in paragraph 1, first subparagraph, | | |
| Member States may implement one or more of | | |
| the following measures: | | |
| | | |
| (a) physical incorporation of renewable | | |
| energy or waste heat and cold in the energy | | |
| sources and fuels supplied for heating and | | |
| cooling; | | |
| | | |
| (b) installation of highly efficient renewable | | |
| heating and cooling systems in buildings, or use | | |
| of renewable energy or waste heat and cold in | | |
| industrial heating and cooling processes; | | |
| | | |
| (c) measures covered by tradable certificates | | |
| proving compliance with the obligation laid | | |
| down in paragraph 1, first subparagraph, | | |
| through support to installation measures under | | |
| point (b) of this paragraph, carried out by | | |
| another economic operator such as an | | |

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| independent renewable technology installer or | | |
| an energy service company providing renewable | | |
| installation services; | | |
| | | |
| (d) capacity building for national and local | | |
| authorities to plan and implement renewable | | |
| projects and infrastructures; | | |
| | | |
| (e) creation of risk mitigation frameworks to | | |
| reduce the cost of capital for renewable heat and | | |
| cooling projects; | | |
| | | |
| (f) promotion of heat purchase agreements | | |
| for corporate consumers and collective small | | |
| consumers; | | |
| | | |
| (g) planned replacement schemes of fossil | | |
| heating systems or fossil phase-out schemes | | |
| with milestones; | | |
| | | |

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| (h) requirements at local and regional | | |
| <u>level concerning</u> renewable heat planning, | | |
| encompassing cooling, requirements at local and | | |
| regional level; | | |
| | | |
| (i) other policy measures, with an | | |
| equivalent effect, including fiscal measures, | | |
| support schemes or other financial incentives. | | |
| | | |
| When adopting and implementing those | | |
| measures, Member States shall ensure their | | |
| accessibility to all consumers, in particular those | | |
| in low-income or vulnerable households, who | | |
| would not otherwise possess sufficient up-front | | |
| capital to benefit.'; | | |
| | | |
| (13) Article 24 is amended as follows: | | |
| | | |
| (a) paragraph 1 is replaced by the following: | | |
| | | |
| | | |

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| '1. Member States shall ensure that | | |
| information on the energy performance and the | | |
| share of renewable energy in their district | | |
| heating and cooling systems is provided to final | | |
| consumers in an easily accessible manner, such | | |
| as on bills or on the suppliers' websites and on | | |
| request. The information on the renewable | | |
| energy share shall be expressed at least as a | | |
| percentage of gross final <u>energy</u> consumption of | | |
| heating and cooling assigned to the customers of | | |
| a given district heating and cooling system, | | |
| including information on how much energy was | | |
| used to deliver one unit of heating to the | | |
| customer or end-user.'; | | |
| | | |
| (b) paragraph 4 is replaced by the following: | | |
| | | |
| '4. Member States shall endeavour to increase | | |
| the share of energy from renewable sources and | | |
| from waste heat and cold in district heating and | | |

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| cooling by [at least 2.1] percentage points as an | | |
| annual average calculated for the period 2021 to | | |
| 2025 and for the period 2026 to 2030, starting | | |
| from the share of energy from renewable | | |
| sources and from waste heat and cold in district | | |
| heating and cooling in 2020, and shall lay down | | |
| the measures necessary to that end. The share of | | |
| renewable energy shall be expressed in terms of | | |
| share of gross final energy consumption in | | |
| district heating and cooling adjusted to normal | | |
| average climatic conditions. | | |
| | | |
| Member States with a share of energy from | | |
| renewable sources and from waste heat and cold | | |
| in district heating and cooling above 60 % may | | |
| count any such share as fulfilling the average | | |
| annual increase referred to in the first | | |
| subparagraph. Member States with a share of | | |
| energy from renewable sources and from | | |
| waste heat and cold in district heating and | | |

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| cooling above 50% and up to 60 % may | | |
| count any such share as fulfilling half of the | | |
| average annual increase referred to in the | | |
| first subparagraph. | | |
| | | |
| Member States shall lay down the necessary | | |
| measures to implement the average annual | | |
| increase referred to in the first subparagraph in | | |
| their integrated national energy and climate | | |
| plans pursuant to Annex I to Regulation (EU) | | |
| 2018/1999.'; | | |
| | | |
| (c) the following paragraph 4a is inserted: | | |
| | | |
| '4a. Member States shall ensure that operators | | |
| of district heating or cooling systems above 25 | | |
| MWth capacity are obliged to connect third | | |
| party suppliers of energy from renewable | | |
| sources and from waste heat and cold or are | | |
| obliged to offer to connect and purchase heat or | | |

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| cold from renewable sources and from waste | | |
| heat and cold from third-party suppliers based | | |
| on non-discriminatory criteria set by the | | |
| competent authority of the Member State | | |
| concerned, where such operators need to do one | | |
| or more of the following: | | |
| | | |
| (a) meet demand from new customers; | | |
| | | |
| (b) replace existing heat or cold generation | | |
| capacity; | | |
| | | |
| (c) expand existing heat or cold generation | | |
| capacity.'; | | |
| | | |
| (d) paragraphs 5 and 6 are replaced by the | | |
| following: | | |
| | | |
| '5. Member States may allow an operator of a | | |
| district heating or cooling system to refuse to | | |

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| connect and to purchase heat or cold from a | | |
| third-party supplier in any of the following | | |
| situations: | | |
| | | |
| (a) the system lacks the necessary capacity | | |
| due to other supplies of heat or cold from | | |
| renewable sources or of waste heat and cold; | | |
| | | |
| (b) the heat or cold from the third-party | | |
| supplier does not meet the technical parameters | | |
| necessary to connect and ensure the reliable and | | |
| safe operation of the district heating and cooling | | |
| system; | | |
| | | |
| (c) the operator can demonstrate that | | |
| providing access would lead to an excessive | | |
| heat or cold cost increase for final customers | | |
| compared to the cost of using the main local | | |
| heat or cold supply with which the renewable | | |
| source or waste heat and cold would compete; | | |

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| | | |
| (d) the operator's system meets the | | |
| definition of efficient district heating and | | |
| cooling set out in [Article x of the proposed | | |
| recast of the Energy Efficiency Directive]. | | |
| | | |
| Member States shall ensure that, when an | | |
| operator of a district heating or cooling system | | |
| refuses to connect a supplier of heating or | | |
| cooling pursuant to the first subparagraph, | | |
| information on the reasons for the refusal, as | | |
| well as the conditions to be met and measures to | | |
| be taken in the system in order to enable the | | |
| connection, is provided by that operator to the | | |
| competent authority. Member States shall | | |
| ensure that an appropriate process is in place to | | |
| remedy unjustified refusals. | | |
| | | |
| 6. Member States shall put in place a | | |
| coordination framework between district heating | | |

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| and cooling system operators and the potential | | |
| sources of waste heat and cold in the industrial | | |
| and tertiary sectors to facilitate the use of waste | | |
| heat and cold. That coordination framework | | |
| shall ensure dialogue as regards the use of waste | | |
| heat and cold involving at least: | | |
| | | |
| (a) district heating and cooling system | | |
| operators; | | |
| | | |
| (b) industrial and tertiary sector enterprises | | |
| generating waste heat and cold that can be | | |
| economically recovered via district heating and | | |
| cooling systems, such as data centres, industrial | | |
| plants, large commercial buildings and public | | |
| transport; and | | |
| | | |
| (c) local authorities responsible for | | |
| planning and approving energy infrastructures.'; | | |
| | | |

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| (e) paragraphs 8, 9 and 10 are replaced by | | |
| the following: | | |
| | | C 7/ |
| '8. Member States shall establish a framework | | |
| under which electricity distribution system | | |
| operators will assess, at least every four years, | | |
| in cooperation with the operators of district | | |
| heating and cooling systems in their respective | | |
| areas, the potential for district heating and | | |
| cooling systems to provide balancing and other | | |
| system services, including demand response and | | |
| thermal storage of excess electricity from | | |
| renewable sources, and whether the use of the | | |
| identified potential would be more resource- and | | |
| cost-efficient than alternative solutions. | | |
| | | |
| Member States shall ensure that electricity | | |
| transmission and distribution system operators | | |
| take due account of the results of the assessment | | |
| required under the first subparagraph in grid | | |

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| planning, grid investment and infrastructure | | |
| development in their respective territories. | | |
| | | C*// |
| Member States shall facilitate coordination | | |
| between operators of district heating and | | |
| cooling systems and electricity transmission and | | |
| distribution system operators to ensure that | | |
| balancing, storage and other flexibility services, | | |
| such as demand response, provided by district | | |
| heating and district cooling system operators, | | |
| can participate in their electricity markets. | | |
| | | |
| Member States may extend the assessment and | | |
| coordination requirements under the first and | | |
| third subparagraphs to gas transmission and | | |
| distribution system operators, including | | |
| hydrogen networks and other energy networks. | | |
| | | |
| 9. Member States shall ensure that the rights of | | |
| consumers and the rules for operating district | | |

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| heating and cooling systems in accordance with | | |
| this Article are clearly defined, publicly | | |
| available and enforced by the competent | | |
| authority. | | |
| | | |
| 10. A Member State shall not be required to | | |
| apply paragraphs 2 to and 9 where at least one | | |
| of the following conditions is met: | | |
| | | |
| (a) its share of district heating and cooling | | |
| was less than or equal to 2 % of the gross final | | |
| energy consumption in heating and cooling on | | |
| 24 December 2018; | | |
| | | |
| (b) its share of district heating and cooling is | | |
| increased above 2 % of the gross final energy | | |
| consumption in heating and cooling on 24 | | |
| December 2018 by developing new efficient | | |
| district heating and cooling based on its | | |
| integrated national energy and climate plan | | |

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| pursuant to Annex I to Regulation (EU) | | |
| 2018/1999 and the assessment referred to in | | |
| Article 23(1a) of this Directive; | | |
| | | |
| (c) 90 % of the gross final energy | | |
| consumption in district heating and cooling | | |
| systems takes place in district heating and | | |
| cooling systems meeting the definition laid | | |
| down in [Article x of the proposed recast of the | | |
| Energy Efficiency Directive].'; | | |
| | | |
| (14) Article 25 is replaced by the following: | | |
| | | |
| 'Article 25 | | |
| | | |
| Greenhouse gas intensity reduction in | | |
| the transport sector from the use of | | |
| renewable energy | | |
| | | |
| 1. Each Member State shall set an | | IE welcomes the increased ambition set out for |

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| obligation on fuel suppliers to ensure that: | | greenhouse gas reductions intensity and |
| | | renewable deployment in the transport sector. |
| | | C*// |
| (a) the amount of renewable fuels and | | |
| renewable electricity supplied to the transport | | |
| sector leads to a greenhouse gas intensity | | |
| reduction of at least [13] % by 2030, compared | | |
| to the baseline set out in Article 27(1), point (b), | | |
| in accordance with an indicative trajectory set | | |
| by the Member State; | | |
| (b) the share of advanced biofuels and | | IE has concerns in relation to the availability of |
| biogas produced from the feedstock listed in | | both advanced biofuels and RFNBOs in the |
| Part A of Annex IX in the energy supplied to the | | transport sector to meet the targets set for these |
| transport sector is at least 0,2 % in 2022, 0,5 % | | fuels in 2030. It is noted that the Impact |
| in 2025 and [2,2] % in 2030, and the share of | | Assessment notes that the increased ambition |
| renewable fuels of non-biological origin is at | | for advanced biofuels and RFNBOS is not likely |
| least [2,6 2,2] % in 2030. | | to impact significantly on emissions savings in |
| | | the short and medium term because of the small |
| | | amounts of these fuels that are likely to be |

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| | | available and that the promotion of these fuels |
| | | through dedicated sub-targets is intended to |
| | | prepare for their upscaling after 2030. |
| | | Therefore, the retention of multipliers to |
| | | promote the use of Annex IX feedstocks, |
| | | especially where issues of cost efficiency, |
| | | sustainability, demand and pace of development |
| | | are factors, may need further consideration. |
| | | |
| For the calculation of the reduction | | |
| referred to in point (a) and the share referred to | | |
| in point (b), Member States shall take into | | |
| account renewable fuels of non-biological origin | | |
| also when they are used as intermediate | | |
| products for the production of conventional | | |
| <u>transport</u> fuels. For the calculation of the | | |
| reduction referred to in point (a), Member States | | |
| may take into account recycled carbon fuels. | | |
| | | |
| When setting the obligation on fuel suppliers, | | |

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| Member States may exempt fuel suppliers | | |
| supplying electricity or renewable liquid and | | |
| gaseous transport fuels of non-biological origin | | |
| from the requirement to comply with the | | |
| minimum share of advanced biofuels and biogas | | |
| produced from the feedstock listed in Part A of | | |
| Annex IX with respect to those fuels. | | |
| | | |
| When setting the obligation referred to in | | IE supports this proposal |
| points (a) and (b) of the first subparagraph to | | |
| ensure the achievement of the targets set out | | |
| therein, Member States may do so by means | | |
| of measures targeting volumes, energy | | |
| content or greenhouse gas emissions, | | |
| provided that it is demonstrated that the | | |
| greenhouse gas intensity reduction and | | |
| minimum shares referred to in points (a) and | | |
| (b) of the first subparagraph are achieved. | | |
| | | |
| When setting the obligation referred to in | | |

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| points (a) and (b) of the first subparagraph to | | |
| ensure the achievement of the targets set out | | |
| therein, Member States may distinguish | | |
| between different energy carriers. | | |
| | | |
| 2. Member States shall establish a | | |
| mechanism allowing fuel suppliers in their | | |
| territory to exchange credits for supplying | | |
| renewable energy to the transport sector. | | |
| Economic operators that supply renewable | | |
| electricity to electric vehicles through public | | |
| recharging stations shall receive credits, | | |
| irrespectively of whether the economic | | |
| operators are subject to the obligation set by the | | |
| Member State on fuel suppliers, and may sell | | |
| those credits to fuel suppliers, which shall be | | |
| allowed to use the credits to fulfil the obligation | | |
| set out in paragraph 1, first subparagraph.'; | | |
| | | |
| (15) Article 26 is amended as follows: | | |

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| | | |
| (a) paragraph 1 is amended as follows: | | |
| | | C.// |
| (i) the first subparagraph is replaced by the | | |
| following: | | |
| 'For the calculation of a Member State's gross | | |
| final consumption of energy from renewable | | |
| | | |
| sources referred to in Article 7 and of the | | |
| greenhouse gas intensity reduction target | | |
| referred to in Article 25(1), first subparagraph, | | |
| point (a), the share of biofuels and bioliquids, as | | |
| well as of biomass fuels consumed in transport, | | |
| where produced from food and feed crops, shall | | |
| be no more than one percentage point higher | | |
| than the share of such fuels in the final | | |
| consumption of energy in the transport sector in | | |
| 2020 in that Member State, with a maximum of | | |
| 7 % of final consumption of energy in the | | |
| transport sector in that Member State.'; | | |

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| | | |
| (ii) the fourth subparagraph is replaced by | | |
| the following: | | C* // |
| | | |
| 'Where the share of biofuels and bioliquids, as | | |
| well as of biomass fuels consumed in transport, | | |
| produced from food and feed crops in a | | |
| Member State is limited to a share lower than | | |
| 7 % or a Member State decides to limit the share | | |
| further, that Member State may reduce the | | |
| greenhouse gas intensity reduction target | | |
| referred to in Article 25(1), first subparagraph, | | |
| point (a), accordingly, in view of the | | |
| contribution these fuels would have made in | | |
| terms of greenhouse gas emissions saving. For | | |
| that purpose, Member States shall consider | | |
| those fuels save 50 % greenhouse gas | | |
| emissions.'; | | |
| | | |
| (b) in paragraph 2, first and fifth | | |

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| subparagraphs, 'the minimum share referred to | | |
| in the first subparagraph of Article 25(1)' is | | |
| replaced by 'the greenhouse gas intensity | | C* // |
| emission reduction target referred to in Article | | |
| 25(1), first subparagraph, point (a)'; | | |
| (16) Article 27 is amended as follows: | | |
| (a) the title is replaced by the following: | | |
| 'Calculation rules in the transport sector and | IE suggests amendment to clarify that the | |
| with regard to renewable fuels of non-biological | RFNBO rules will apply to all sectors. | |
| origin regardless of their end use'; | | |
| (b) paragraph 1 is replaced by the following: | | |
| | | |
| '1. For the calculation of the greenhouse gas | | IE suggests that the methodology used to |
| intensity reduction referred to in Article 25(1), | | calculate the GHGe intensity reduction is further |
| first subparagraph, point (a), the following rules | | explained. |
| shall apply: | | |

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| | | If the intention is to apply the methodology |
| | | currently set out in Article 7a of the Fuel |
| | | Quality Directive and which includes within its |
| | | scope, road, rail, non-road mobile machinery, |
| | | and inland navigation then this should be |
| | | explicitly stated. Reference may be required to |
| | | the sustainable avaition fuel target in ReFuel |
| | | Aviation and the FuelEU Maritime renewable |
| | | fuel GHGe intensity reduction target (and the |
| | | treatment of the type of fuel used by operators) |
| | | within the GHGe intensity reduction target and |
| | | how their impacts will relate to the proposed |
| | | Article 25(1) GHGe intensity reduction target |
| | | |
| (a) the greenhouse gas emissions savings | | |
| shall be calculated as follows: | | |
| | | |
| (i) for biofuel and biogas, by multiplying the | | |
| amount of these fuels supplied to all transport | | |
| modes by their emissions savings determined in | | |

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| accordance with Article 31; | | |
| | | |
| (ii) for renewable fuels of non-biological origin | | C*// |
| and recycled carbon fuels, by multiplying the | | |
| amount of these fuels that is supplied to all | | |
| transport modes by their emissions savings | | |
| determined in accordance with delegated acts | | |
| adopted pursuant to Article 29a(3); | | |
| | | |
| (iii) for renewable electricity, by multiplying the | | IE would welcome further information on the |
| amount of renewable electricity that is supplied | | rationale for using the the fossil fuel comparator |
| to all transport modes by the fossil fuel | | ECF(e) set out in Annex V? |
| comparator $EC_{F(e)}$ set out in in Annex V; | | |
| | | |
| (b) the baseline referred to in Article 25(1) | | |
| shall be calculated by multiplying the amount of | | |
| energy supplied to the transport modes sector | | |
| by the fossil fuel comparator $E_{F(t)}$ set out in | | |
| Annex V; | | |
| | | |

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| (c) for the calculation of the relevant | | |
| amounts of energy, the following rules shall | | |
| apply: | | C*/ |
| | | |
| (i) in order to determine the amount of energy | | |
| supplied to the transport sector, the values | | |
| regarding the energy content of transport fuels | | |
| set out in Annex III shall be used; | | |
| | | |
| (ii) in order to determine the energy content of | | |
| transport fuels not included in Annex III, the | | |
| Member States shall use the relevant European | | |
| standards for the determination of the calorific | | |
| values of fuels. Where no European standard | | |
| has been adopted for that purpose, the relevant | | |
| ISO standards shall be used; | | |
| | | |
| (iii) the amount of renewable electricity | | |
| supplied to the transport sector is determined by | | |
| multiplying the amount of electricity supplied to | | |

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| that sector by the average share of renewable | | |
| electricity supplied in the territory of the | | |
| Member State in the two previous years. By | | |
| way of exception, where electricity is obtained | | |
| from a direct connection to an installation | | |
| generating renewable electricity and supplied to | | |
| the transport sector, that electricity shall be fully | | |
| counted as renewable; | | |
| | | |
| (iv) the share of biofuels and biogas produced | be limited to 1,7 %. Member States may, | IE has concerns that while RED II allowed |
| from the feedstock listed in Part B of Annex IX | where justified, modify that limit, taking into | member states to apply a higher Annex IX Part |
| in the energy content of fuels and electricity | account the availability of feedstock. Any such | B limit (with CION approval), this appears to |
| supplied to the transport sector shall, except in | modification shall be subject to approval by the | have been deleted in the RED III proposal. The |
| Cyprus and Malta, be limited to 1,7 %; | Commission. | IE view is that this should be reinstated. |
| | | |
| (d) the greenhouse gas intensity reduction | | |
| from the use of renewable energy is determined | | |
| by dividing the greenhouse gas emissions saving | | |
| from the use of biofuels, biogas, renewables | | |
| fuels of non-biological origin -and renewable | | |

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| electricity supplied to all transport modes by the | | |
| baseline. Member States may take into | | |
| account recycled carbon fuels. | | |
| | | |
| The Commission is empowered to adopt | | |
| delegated acts in accordance with Article 35 to | | |
| supplement this Directive by adapting the | | |
| energy content of transport fuels, as set out in | | |
| Annex III, in accordance with scientific and | | |
| technical progress;'; | | |
| | | |
| (c) the following paragraph 1a is inserted: | | |
| | | |
| '1a. For the calculation of the targets referred to | | |
| in Article 25(1), first subparagraph, point (b), | | |
| the following rules shall apply: | | |
| | | |
| (a) for the calculation of the denominator, | | |
| that is the amount of energy consumed in the | | |
| transport sector, all fuels and electricity supplied | | |

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| to the transport sector shall be taken into | | |
| account; | | |
| | | C./ |
| (b) for the calculation of the numerator, the | "for the calculation of the numerator, the | IE has concerns in relation to the availability of |
| energy content of advanced biofuels and biogas | energy content of advanced biofuels and biogas | both advanced biofuels and RFNBOs in the |
| produced from the feedstock listed in Part A of | produced from the feedstock listed in Part A of | transport sector to meet the increased targets set |
| Annex IX and renewable fuels of non-biological | Annex IX and renewable fuels of non-biological | for these fuels in 2030 as set out in Article 25. It |
| origin supplied to all transport modes in the | origin supplied to all transport modes in the | is noted that the Impact Assessment notes that |
| territory of the Union shall be taken into | territory of the Union shall be counted as twice | the increased ambition for advanced biofuels |
| account; | its energy content taken into account" | and RFNBOS is not likely to impact |
| | | significantly on emissions savings in the short |
| | | and medium term because of the small amounts |
| | | of these fuels that are likely to be available and |
| | | that the promotion of these fuels through |
| | | dedicated sub-targets is intended to prepare for |
| | | their upscaling after 2030. Therefore, the |
| | | retention of multipliers to promote the use of |
| | | Annex IX feedstocks, especially where issues of |
| | | cost efficiency, sustainability, demand and pace |
| | | of development are factors, should be given |

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| | | further consideration. |
| | | |
| (c) the shares of advanced biofuels and | | |
| biogas produced from the feedstock listed in | | |
| Part A of Annex IX and of renewable fuels of | | |
| non-biological origin supplied in the aviation | | |
| and maritime modes shall be considered to be | | |
| 1,2 times their energy content.'; | | |
| (d) paragraph 2 is deleted. | | IE has reservations on the proposal to delete the provision. IE is of the view that development fuels should continue to be incentivised through the retention of multiple counting rules for feedstocks that can meet defined sustainability criteria. |
| | | |
| (ed) paragraph 3 is amended as follows: | | |
| (i) the first, second and third subparagraphs | | IE suggests that clarity may need to be provided |
| are deleted; | | on the position of electricity supplied to EVs |

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| | | (where there may not be a direct connection) to |
| | | ensure that renewable electricity supplied to |
| | | EVs can definitely be used in calculating the |
| | | GHGe intensity reduction. |
| (ii) the fourth subparagraph is replaced by | | |
| the following: | | |
| 'Where electricity is used for the | | IE supports this methodology to establish how |
| production of renewable fuels of non-biological | | 'renewable' RFNBOS are calculated. |
| origin, either directly or for the production of | | |
| intermediate products, the average share of | | |
| electricity from renewable sources in the | | |
| country of production, as measured two years | | |
| before the year in question, shall be used to | | |
| determine the share of renewable energy.'; | | |
| | | |
| (iii) in the fifth subparagraph, the | | |
| introductory phrase is replaced by the following: | | |
| | | |

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| 'However, electricity obtained from direct | | |
| connection to an installation generating | | |
| renewable electricity may be fully counted as | | |
| renewable electricity where it is used for the | | |
| production of renewable fuels of non-biological | | |
| origin, provided that the installation:'; | | |
| | | |
| (17) Article 28 is amended as follows: | | |
| | | |
| (a) paragraphs 2, 3 and 4 are deleted. | | |
| | | |
| (b) paragraph 5 is replaced by the following: | | |
| | | |
| 'By 31 December 2024, the Commission shall | | |
| adopt delegated acts in accordance with | | |
| Article 35 to supplement this Directive by | | |
| specifying the methodology to determine the | | |
| share of biofuel, and biogas for transport, | | |
| resulting from biomass being processed with | | |
| fossil fuels in a common process.'; | | |

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| | | |
| (c) in paragraph 7, 'laid down in the fourth | | |
| subparagraph of Article 25(1)' is replaced by | | C*/ |
| 'laid down in Article 25(1), first subparagraph, | | |
| point (b)'; | | |
| | | |
| (18) Article 29 is amended as follows: | | |
| | | |
| (a) paragraph 1 is amended as follows: | | |
| | | |
| (i) in the first subparagraph, point (a) is | | |
| replaced by the following: | | |
| | | |
| '(a) contributing towards the renewable energy | | |
| shares of Member States and the targets referred | | |
| to in Articles 3(1),15a(1), 22a(1), 23(1), 24(4), | | |
| and 25(1) of this Directive;'; | | |
| | | |
| (ii) the fourth subparagraph is replaced by | | |
| the following: | | |

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| | | |
| 'Biomass fuels shall fulfil the sustainability and | | |
| greenhouse gas emissions saving criteria laid | | |
| down in paragraphs 2 to 7 and 10 if used, | | |
| | | |
| (a) in the case of solid biomass fuels, in | | |
| installations producing electricity, heating and | | |
| cooling with a total rated thermal input equal to | | |
| or exceeding [5-10] MW, | | |
| | | |
| (b) in the case of gaseous biomass fuels, | | |
| in installations producing electricity, heating | | |
| and cooling with a total rated thermal input | | |
| equal to or exceeding 2 MW, | | |
| | | |
| (c) in the case of installations producing | | |
| gaseous biomass fuels with the following | | |
| average biomethane flow rate: | | |
| | | |
| (i) above 200 m3 methane equivalent/h | | |

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| measured at standard conditions of temperature | | |
| and pressure (i.e. 0°C and 1 bar atmospheric | | |
| pressure); | | |
| | | |
| (ii) if biogas is composed of a mixture of | | |
| methane and non-combustible other gases, for | | |
| the methane flow rate, the threshold set out in | | |
| point (i), recalculated proportionally to the | | |
| volumetric share of methane in the mixture; | | |
| | | |
| (iii) the following subparagraph is inserted | | |
| after the fourth subparagraph: | | |
| | | |
| 'Member States may apply the sustainability | | |
| and greenhouse gas emissions saving criteria to | | |
| installations with lower total rated thermal input | | |
| or biomethane flow rate.'; | | |
| | | |
| (b) in paragraph 3, the following | | |
| subparagraph is inserted after the first | | |

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| subparagraph: | | |
| | | |
| 'This paragraph, with the exception of the first | | C./ |
| subparagraph, point (c), also applies to biofuels, | | |
| bioliquids and biomass fuels produced from | | |
| forest biomass.'; | | |
| | | |
| in paragraph 6, first subparagraph, point (a), | | |
| the following point (vi) is inserted: | | |
| | | |
| « (vi) that forests in which the | | |
| abovementioned forest biomass is harvested | | |
| do not stem from the lands that have the | | |
| statuses mentioned in paragraph 3 point (a), | | |
| paragraph 3 point (b), paragraph 3 point | | |
| (d), paragraph 4 point (a), and paragraph 5, | | |
| respectively under the same conditions of | | |
| determination of the status of land specified | | |
| in these paragraphs. For the purposes of | | |
| paragraph 3 point (b), only the lands that | | |

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| have been identified as being highly | | |
| biodiverse by the relevant competent | | |
| authority are considered";1 | | |
| | | |
| (c) in paragraph 4, the following | | |
| subparagraph is added: | | |
| | | |
| 'The first subparagraph, with the exception of | | |
| points (b) and (c), and the second subparagraph | | |
| also apply to biofuels, bioliquids and biomass | | |
| fuels produced from forest biomass.'; | | |
| | | |
| in paragraph 6, first subparagraph, point (b), | | |
| the following point (vi) is inserted: | | |
| | | |
| « (vi) that forests in which the | | |
| abovementioned forest biomass is harvested | | |

¹ A new recital 36b explains this addition.

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| do not stem from the lands that have the | | |
| statuses mentioned in paragraph 3 point (a), | | |
| paragraph 3 point (b), paragraph 3 point | | |
| (d), paragraph 4 point (a), and paragraph 5, | | |
| respectively under the same conditions of | | |
| determination of the status of land specified | | |
| in these paragraphs. For the purposes of | | |
| paragraph 3 point (b), only the lands that | | |
| have been identified as being highly | | |
| biodiverse by the relevant competent | | |
| authority are considered;" | | |
| | | |
| (d) paragraph 5 is replaced by the following: | | |
| | | |
| '5. Biofuels, bioliquids and biomass fuels | | |
| produced from agricultural or forest biomass | | |
| taken into account for the purposes referred to in | | |
| paragraph 1, first subparagraph, points (a), (b) | | |
| and (c), shall not be made from raw material | | |
| obtained from land that was peatland in January | | |

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| 2008, unless evidence is provided that the | | |
| cultivation and harvesting of that raw material | | |
| does not involve drainage of previously | | |
| undrained soil.'; | | |
| | | |
| (e) in paragraph 6, first subparagraph, point | | |
| (a), point (iv) is replaced by the following: | | |
| | | |
| '(iv) that harvesting is carried out considering | | |
| maintenance of soil quality and biodiversity | | |
| according to sustainable forest management | | |
| principles ¹ , with the aim of minimising | | |
| negative impacts, in a way that avoids | | |
| harvesting of stumps and roots, degradation of | | |
| primary forests or their conversion into | | |
| plantation forests, and harvesting on vulnerable | | |
| soils; minimises large clear-cuts and ensures | | |

¹ Delegations are informed that this concept is explained in the recital 102 of the Directive 2018/2001.

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| locally appropriate thresholds for deadwood | | |
| extraction and requirements to use logging | | |
| systems that minimise impacts on soil quality, | | |
| including soil compaction, and on biodiversity | | |
| features and habitats:'; | | |
| | | |
| (f) in paragraph 6, first subparagraph, point | | |
| (b), point (iv) is replaced by the following: | | |
| | | |
| '(iv) that harvesting is carried out considering | | |
| maintenance of soil quality and biodiversity | | |
| according to sustainable forest management | | |
| principles , with the aim of minimising negative | | |
| impacts, in a way that avoids harvesting of | | |
| stumps and roots, degradation of primary forests | | |
| or their conversion into plantation forests, and | | |
| harvesting on vulnerable soils; minimises large | | |
| clear-cuts and ensures locally appropriate | | |
| thresholds for deadwood extraction and | | |
| requirements to use logging systems that | | |

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| | Dialting Suggestivits | Comments |
| minimise impacts on soil quality, including soil | | |
| compaction, and on biodiversity features and | | |
| habitats:'; | | |
| | | |
| (-) : | | <u> </u> |
| (g) in paragraph 10, first subparagraph, | | |
| point (d) is replaced by the following: | | |
| | | |
| '(d) at least 70 % for electricity, heating and | | |
| cooling production from biomass fuels used in | | |
| installations until 31 December 2025, and at | | |
| least 80 % from 1 January 2026.' starting | | |
| operation from 1 January 2021 until 31 | | |
| December 2025, at least 80 % from 1 | | |
| January 2026 for all installations having | | |
| started operation after the entry into force of | | |
| this directive, and 80% for all installations | | |
| having started operation before the entry into | | |
| force of this directive once they reach 15 | | |
| vears of operation.'; | | |
| | | |

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| '(d) at least 80 % from 1 January 2026 for | | |
| electricity, heating and cooling production | | |
| from biomass fuels used in installations | | |
| having started operation after the entry into | | |
| force of this directive; | | |
| | | |
| (e) at least 70 % until 31 December 2025 for | | |
| electricity, heating and cooling production | | |
| from biomass fuels used in installations | | |
| starting operation from 1 January 2021 until | | |
| 31 December 2025; | | |
| | | |
| (f) at least 70 % until 31 December 2025 and | | |
| at least 80% from 1 January 2026 once they | | |
| reach 15 years of operation and, at the latest, | | |
| from 31 December 2029, for electricity, | | |
| heating and cooling production from biomass | | |
| fuels used in installations with a total rated | | |
| thermal input exceeding 10 MW having | | |
| started operation before the entry into force | | |

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| of this directive; | | |
| | | |
| (g) at least 70 % until 31 December 2025 and | | <u>- " / </u> |
| at least 80% from 1 January 2026 once they | | |
| reach 15 years of operation for electricity, | | |
| heating and cooling production from biomass | | |
| fuels used in installations with a total rated | | |
| thermal input equal to or lower than 10 MW | | |
| having started operation before the entry into | | |
| force of this directive.' | | |
| | | |
| (19) the following Article 29a is inserted: | | |
| | | |
| 'Article 29a | | |
| | | |
| Greenhouse gas emissions saving criteria for | | |
| renewable fuels of non-biological origin and | | |
| recycled carbon fuels | | |
| | | |
| 1. Energy from renewable fuels of non- | | |

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| biological origin shall be counted towards | | |
| Member States' shares of renewable energy and | | |
| the targets referred to in Articles 3(1), 15a(1), | | |
| 22a(1), 23(1), 24(4) and 25(1) only if the | | |
| greenhouse gas emissions savings from the use | | |
| of those fuels are at least 70 %. | | |
| | | |
| 2. Energy from recycled carbon fuels may | | |
| be counted towards the greenhouse gas | | |
| emissions reduction target referred to in Article | | |
| 25(1), first subparagraph, point (a), only if the | | |
| greenhouse gas emissions savings from the use | | |
| of those fuels are at least 70%. | | |
| | | |
| 3. The Commission is empowered to adopt | | IE would welcome the provision of examples of |
| delegated acts in accordance with Article 35 to | | indirect emissions to demonstrate the |
| supplement this Directive by specifying the | | methodology to be included within this (e.g. |
| methodology for assessing greenhouse gas | | would this include the means of production. i.e. |
| emissions savings from renewable fuels of non- | | would means of production be included here – |
| biological origin and from recycled carbon | | whether additionality v diversion of existing |

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| fuels. The methodology shall ensure that credit | | renewable energy from other potentil end users). |
| for avoided emissions is not given for CO ₂ the | | In consideration of the potential impacts of |
| capture of which has already received an | | using recycled carbons, categories of recycled |
| emission credit under other provisions of law. | | carbon fuels could be specified with delegated |
| The methodology shall cover the life-cycle | | acts. |
| GHG emissions that must include indirect | | |
| emissions. | | |
| | | |
| (20) Article 30 is amended as follows: | | |
| | | |
| (a) in paragraph 1, first subparagraph, the | | |
| introductory phrase is replaced by the following: | | |
| | | |
| 'Where renewable fuels and recycled carbon | | |
| fuels are to be counted towards the targets | | |
| referred to in Articles 3(1), 15a(1), 22a(1), | | |
| 23(1), 24(4) and 25(1), Member States shall | | |
| require economic operators to show that the | | |
| sustainability and greenhouse gas emissions | | |
| saving criteria laid down in Articles 29(2) to (7) | | |

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| and (10) and 29a(1) and (2) for renewable fuels | | |
| and recycled-carbon fuels have been fulfilled. | | |
| For that purpose, they shall require economic | | |
| operators to use a mass balance system which:'; | | |
| | | |
| (b) in paragraph 3, the first and second | | |
| subparagraphs are replaced by the following: | | |
| | | |
| 'Member States shall take measures to ensure | | |
| that economic operators submit reliable | | |
| information regarding the compliance with the | | |
| sustainability and greenhouse gas emissions | | |
| saving criteria laid down in Articles 29(2) to (7) | | |
| and (10) and 29a(1) and (2), and that economic | | |
| operators make available to the relevant | | |
| Member State, upon request, the data used to | | |
| develop that information. Member States shall | | |
| require economic operators to arrange for an | | |
| adequate standard of independent auditing of | | |
| the information submitted, and to provide | | |

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| evidence that this has been done. In order to | | |
| comply with point (a) of Article 29(6) and | | |
| point (a) of Article 29(7), the first or second | | |
| party auditing may be used up to the first | | |
| gathering point of the forest biomass. The | | |
| auditing shall verify that the systems used by | | |
| economic operators are accurate, reliable and | | |
| protected against fraud, including | | |
| verification ensuring that materials are not | | |
| intentionally modified or discarded so that | | |
| the consignment or part thereof could | | |
| become a waste or residue. It shall evaluate | | |
| the frequency and methodology of sampling | | |
| and the robustness of the data. | | |
| | | |
| The obligations laid down in this paragraph | | |
| shall apply regardless of whether renewable | | |
| fuels and recycled carbon fuels are produced | | |
| within the Union or are imported. Information | | |
| about the geographic origin and feedstock type | | |

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| of biofuels, bioliquids and biomass fuels per | | |
| fuel supplier shall be made available to | | |
| consumers on the websites of operators, | | |
| suppliers or the relevant competent authorities | | |
| and shall be updated on an annual basis.'; | | |
| | | |
| (c) in paragraph 4, the first subparagraph is | | |
| replaced by the following: | | |
| | | |
| 'The Commission may decide that voluntary | | |
| national or international schemes setting | | |
| standards for the production of renewable fuels | | |
| and recycled carbon fuels, provide accurate data | | |
| on greenhouse gas emission savings for the | | |
| purposes of Articles 29(10) and 29a (1) and (2), | | |
| demonstrate compliance with Articles 27(3) and | | |
| 31a(5), or demonstrate that consignments of | | |
| biofuels, bioliquids and biomass fuels comply | | |
| with the sustainability criteria laid down in | | |
| Article 29(2) to (7). When demonstrating that | | |

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| the criteria laid down in Article 29(6) and (7) | | |
| are met, the operators may provide the required | | |
| evidence directly at sourcing area level. The | | |
| Commission may recognise areas for the | | |
| protection of rare, threatened or endangered | | |
| ecosystems or species recognised by | | |
| international agreements or included in lists | | |
| drawn up by intergovernmental organisations or | | |
| the International Union for the Conservation of | | |
| Nature for the purposes of Article 29(3), first | | |
| subparagraph, point (c)(ii).'; | | |
| | | |
| (d) paragraph 6 is replaced by the | | |
| following: | | |
| | | |
| '6. Member States may set up national schemes | | |
| where compliance with the sustainability and | | |
| greenhouse gas emissions saving criteria laid | | |
| down in Articles 29(2) to (7) and (10) and | | |
| 29a(1) and (2), in accordance with the | | |

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| methodology developed under Article 29a(3), is | | |
| verified throughout the entire chain of custody | | |
| involving competent national authorities. Those | | |
| schemes may also be used to verify the accuracy | | |
| and completeness of the information included | | |
| by economic operators in the Union database, to | | |
| demonstrate compliance with Article 27(3) and | | |
| for the certification of biofuels, bioliquids and | | |
| biomass fuels with low indirect land-use | | |
| change-risk. | | |
| | | |
| A Member State may notify such a national | | |
| scheme to the Commission. The Commission | | |
| shall give priority to the assessment of such a | | |
| scheme in order to facilitate mutual bilateral and | | |
| multilateral recognition of those schemes. The | | |
| Commission may decide, by means of | | |
| implementing acts, whether such a notified | | |
| national scheme complies with the conditions | | |
| laid down in this Directive. Those implementing | | |

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| acts shall be adopted in accordance with the | | |
| examination procedure referred to in Article | | |
| 34(3). | | C*/ |
| | | |
| Where the decision is positive, other schemes | | |
| recognised by the Commission in accordance | | |
| with this Article shall not refuse mutual | | |
| recognition with that Member State's national | | |
| scheme as regards verification of compliance | | |
| with the criteria for which it has been | | |
| recognised by the Commission. | | |
| | | |
| For installations producing electricity, heating | | |
| and cooling with a total rated thermal input | | |
| between <u>[5 10</u> and 10 <u>20</u> MW], Member States | | |
| shall-may establish simplified national | | |
| verification schemes to ensure the fulfillment of | | |
| the sustainability and greenhouse gas emissions | | |
| criteria set out in paragraphs (2) to (7) and (10) | | |
| of Article 29. For the same installations, the | | |

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| implementing acts provisioned in Article 30 | | |
| paragraph 8 shall set out the uniform | | |
| conditions for simplified voluntary | | |
| verification schemes to ensure the fulfilment | | |
| of the sustainability and greenhouse gas | | |
| emissions criteria set out in paragraphs (2) to | | |
| (7) and (10) of Article 29. '; | | |
| | | |
| (e) in paragraph 9, the first subparagraph is | | |
| replaced by the following: | | |
| | | |
| 'Where an economic operator provides evidence | | |
| or data obtained in accordance with a scheme | | |
| that has been the subject of a decision pursuant | | |
| to paragraph 4 or 6, a Member State shall not | | |
| require the economic operator to provide further | | |
| evidence of compliance with the elements | | |
| covered by the scheme for which the scheme | | |
| has been recognised by the Commission.'; | | |
| | | |

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| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| (f) paragraph 10 is replaced by the | | |
| following: | | |
| | | C // |
| 'At the request of a Member State, which may | | |
| be based on the request of an economic | | |
| operator, the Commission shall, on the basis of | | |
| all available evidence, examine whether the | | |
| sustainability and greenhouse gas emissions | | |
| saving criteria laid down in Article 29(2) to (7) | | |
| and (10) and Article 29a(1) and (2) in relation to | | |
| a source of renewable fuels and recycled carbon | | |
| fuels have been met. | | |
| | | |
| Within six months of receipt of such a request | | |
| and in accordance with the examination | | |
| procedure referred to in Article 34(3), the | | |
| Commission shall, by means of implementing | | |
| acts, decide whether the Member State | | |
| concerned may either: | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| (a) take into account the renewable fuels | | |
| and recycled carbon fuels from that source for | | |
| the purposes referred to in points (a), (b) and (c) | | |
| of the first subparagraph of Article 29(1); or | | |
| | | |
| (b) by way of derogation from paragraph 9 | | |
| of this Article, require suppliers of the source of | | |
| renewable fuels and recycled carbon fuels to | | |
| provide further evidence of compliance with | | |
| those sustainability and greenhouse gas | | |
| emissions saving criteria and those greenhouse | | |
| gas emissions savings thresholds.'; | | |
| | | |
| (21) in Article 31, paragraphs 2, 3 and 4 are | | |
| deleted: | | |
| | | |
| (22) the following Article <u>31a</u> is inserted: | | |
| | | |
| 'Article 31a | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|--|
| Union database | | |
| | | |
| 1. The Commission shall ensure that a | | IE welcomes this article which will strengthen |
| Union database is set up to enable the tracing of | | protections against fraud occurring |
| liquid and gaseous renewable fuels and recycled | | |
| carbon fuels. | | |
| | | |
| 2. Member States shall require the relevant | | |
| economic operators to enter in a timely manner | | |
| accurate information into that database on the | | |
| transactions made and the sustainability | | |
| characteristics of the fuels subject to those | | |
| transactions, including their life-cycle | | |
| greenhouse gas emissions, starting from their | | |
| point of production to the moment it is | | |
| consumed in the Union. Information on whether | | |
| support has been provided for the production of | | |
| a specific consignment of fuel, and if so, on the | | |
| type of support scheme, shall also be included in | | |
| the database. | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| | | |
| Where appropriate to improve traceability of | | |
| data along the entire supply chain, the | | C*/ |
| Commission is empowered to adopt delegated | | |
| acts in accordance with Article 35 to further | | |
| extend the scope of the information to be | | |
| included in the Union database to cover relevant | | |
| data from the point of production or collection | | |
| of the raw material used for the fuel production. | | |
| | | |
| Member States shall require fuel suppliers to | | |
| enter the information necessary to verify | | |
| compliance with the requirements laid down in | | |
| Article 25(1), first subparagraph, into the Union | | |
| database. | | |
| | | |
| 3. Member States shall have access to the | | |
| Union database for the purposes of monitoring | | |
| and data verification. | | |
| | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| 4. If guarantees of origin have been issued | | |
| for the production of a consignment of | | |
| renewable gases, Member States shall ensure | | |
| that those guarantees of origin are cancelled | | |
| before the consignment of renewable gases can | | |
| be registered in the database. | | |
| | | |
| 5. Member States shall ensure that the | | |
| accuracy and completeness of the information | | |
| included by economic operators in the database | | |
| is verified, for instance by using voluntary or | | |
| national schemes. | | |
| | | |
| For data verification, voluntary or | | |
| national schemes recognised by the Commission | | |
| pursuant to Article 30(4), ($\underline{\bf 5f}$) and (6) may use | | |
| third party information systems as | | |
| intermediaries to collect the data, provided that | | |
| such use has been notified to the Commission. | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| Member States may set up a national | | |
| database that can be used by economic | | |
| operators as an intermediary tool for | | C* >> |
| collecting and uploading data in the Union | | |
| Database , provided that: | | |
| | | |
| (a) the national database fully complies with | | |
| the Union Database including in terms of the | | |
| timeliness of data transmission, the typology | | |
| of data sets transferred, and the protocols for | | |
| data quality and data verification; | | |
| | | |
| (b) Member States ensure that the | | |
| information entered in the national database | | |
| is instantly transferred to the Union | | |
| database. | | |
| | | |
| The verification of the data quality, the | | |
| sustainability characteristics related to that | | |
| data, and the final approval of transactions | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| entered into the Union Database shall be | | |
| performed solely through the Union | | |
| <u>Database.</u> | | |
| | | |
| Member States shall notify the Commission | | |
| an application containing the detailed | | |
| features of their national database. The | | |
| Commission shall assess if the notified | | |
| database fulfils the requirements of | | |
| subparagraphs (a) and (b), and if needed | | |
| may require Member States to take | | |
| appropriate steps to ensure that the | | |
| requirements are met. | | |
| | | |
| (23) Article 35 is amended as follows: | | |
| | | |
| (a) paragraph 2 is replaced by the following: | | |
| | | |
| 'The power to adopt delegated acts referred to in | | |
| Article 3(3)(b), second subparagraph, Article | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| 7(3), Article 8(3), second subparagraph, Article | | |
| 25 (2), second paragraph, Article 29a(3), | | |
| Article 26(2), fourth subparagraph, Article 26(2) | | |
| fifth subparagraph, Article 27(1), second | | |
| subparagraph, Article 27(3), fourth seventh | | |
| subparagraph, Article 28(5), Article 28(6), | | |
| second subparagraph, Article 29a(3), Article | | |
| 31(5), second subparagraph, and Article 31a(2), | | |
| second subparagraph, shall be conferred on the | | |
| Commission for a period of five years from [the | | |
| entry into force of this amending Directive]. The | | |
| Commission shall draw up a report in respect of | | |
| the delegation of power not later than nine | | |
| months before the end of the five-year period. | | |
| The delegation of power shall be tacitly | | |
| extended for periods of an identical duration, | | |
| unless the European Parliament or the Council | | |
| opposes such extension not later than three | | |
| months before the end of each period.'; | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| (b) paragraph 4 is replaced by the following: | | |
| | | |
| 'The delegation of power referred to in <u>Article</u> | | C // |
| 3(3)(b), second subparagraph, Article 7(3), | | |
| fifth subparagraph, Article 8(3), second | | |
| subparagraph, Article 25 (2), second | | |
| paragraph, Article 29a(3), Article 26(2), fourth | | |
| subparagraph, Article 26(2) fifth subparagraph, | | |
| Article 27(1), second subparagraph, Article | | |
| 27(3), fourth seventh subparagraph, Article | | |
| 28(5), Article 28(6), second subparagraph, | | |
| Article 29a(3), Article 31(5), and Article | | |
| 31a(2), second subparagraph, may be revoked | | |
| at any time by the European Parliament or by | | |
| the Council. A decision to revoke shall put an | | |
| end to the delegation of the power specified in | | |
| that decision. It shall take effect the day | | |
| following the publication of the decision in | | |
| the Official Journal of the European Union or at | | |
| a later date specified therein. It shall not affect | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| the validity of any delegated acts already in | | |
| force.'; | | |
| | | C*// |
| (c) paragraph 7 is replaced by the following: | | |
| | | |
| 'A delegated act adopted pursuant to Article | | |
| 3(3)(b), second subparagraph, Article 7(3), | | |
| fifth subparagraph, Article 8(3), second | | |
| subparagraph, Article 29a(3), Article 25 (2), | | |
| second paragraph, Article 26(2), fourth | | |
| subparagraph, Article 26(2) fifth subparagraph, | | |
| Article 27(1), second subparagraph, Article | | |
| 27(3), fourth seventh subparagraph, Article | | |
| 28(5), Article 28(6), second subparagraph, | | |
| Article 29a(3), Article 31(5), and Article | | |
| 31a(2), second subparagraph, shall enter into | | |
| force only if no objection has been expressed | | |
| either by the European Parliament or the | | |
| Council within a period of two months of | | |
| notification of that act to the European | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| Parliament and to the Council or if, before the | | |
| expiry of that period, the European Parliament | | |
| and the Council have both informed the | | |
| Commission that they will not object. That | | |
| period shall be extended by two months at the | | |
| initiative of the European Parliament or of the | | |
| Council.'; | | |
| | | |
| (24) the Annexes are amended in accordance | | |
| with the Annexes to this Directive. | | |
| | | |
| Article 2 | | |
| | | |
| Amendments to Regulation (EU) 2018/1999 | | |
| | | |
| (1) Article 2 is amended as follows: | | |
| | | |
| (a) point 11 is replaced by the following: | | |
| | | |
| '(11) 'the Union's 2030 targets for energy and | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| climate' means the Union-wide binding target of | | |
| at least 40 % domestic reduction in economy- | | |
| wide greenhouse gas emissions as compared to | | |
| 1990 to be achieved by 2030, the Union's | | |
| binding target for renewable energy in 2030 as | | |
| referred to in Article 3 of Directive (EU) | | |
| 2018/2001, the Union-level headline target of at | | |
| least 32,5 % for improving energy efficiency in | | |
| 2030, and the 15 % electricity interconnection | | |
| target for 2030 or any subsequent targets in this | | |
| regard agreed by the European Council or by the | | |
| European Parliament and by the Council for | | |
| 2030.'; | | |
| | | |
| (b) in point 20, point (b) is replaced by the | | |
| following: | | |
| | | |
| '(b) in the context of Commission | | |
| recommendations based on the assessment | | |
| pursuant to point (b) of Article 29(1) with | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| regard to energy from renewable sources, a | | |
| Member State's early implementation of its | | |
| contribution to the Union's binding target for | | |
| renewable energy in 2030 as referred to in | | |
| Article 3 of Directive (EU) 2018/2001 as | | |
| measured against its national reference points | | |
| for renewable energy;'; | | |
| | | |
| (2) In Article 4, point (a)(2) is replaced by | | |
| the following: | | |
| | | |
| '(2) with respect to renewable energy: | | |
| | | |
| With a view to achieving the Union's binding | | |
| target for renewable energy in 2030 as referred | | |
| to in Article 3 of Directive (EU) 2018/2001, a | | |
| contribution to that target in terms of the | | |
| Member State's share of energy from renewable | | |
| sources in gross final consumption of energy in | | |
| 2030, with an indicative trajectory for that | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| contribution from 2021 onwards. By 2022, the | | |
| indicative trajectory shall reach a reference | | |
| point of at least 18 % of the total increase in the | | |
| share of energy from renewable sources | | |
| between that Member State's binding 2020 | | |
| national target, and its contribution to the 2030 | | |
| target. By 2025, the indicative trajectory shall | | |
| reach a reference point of at least 43 % of the | | |
| total increase in the share of energy from | | |
| renewable sources between that Member State's | | |
| binding 2020 national target and its contribution | | |
| to the 2030 target. By 2027, the indicative | | |
| trajectory shall reach a reference point of at least | | |
| 65 % of the total increase in the share of energy | | |
| from renewable sources between that Member | | |
| State's binding 2020 national target and its | | |
| contribution to the 2030 target. | | |
| | | |
| By 2030, the indicative trajectory shall reach at | | |
| least the Member State's planned contribution. If | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| a Member State expects to surpass its binding | | |
| 2020 national target, its indicative trajectory | | |
| may start at the level it is projected to achieve. | | |
| The Member States' indicative trajectories, | | |
| taken together, shall add up to the Union | | |
| reference points in 2022, 2025 and 2027 and to | | |
| the Union's binding target for renewable energy | | |
| in 2030 as referred to in Article 3 of Directive | | |
| (EU) 2018/2001. Separately from its | | |
| contribution to the Union target and its | | |
| indicative trajectory for the purposes of this | | |
| Regulation, a Member State shall be free to | | |
| indicate higher ambitions for national policy | | |
| purposes.'; | | |
| | | |
| (3) In Article 5, paragraph 2 is replaced by | | |
| the following: | | |
| | | |
| '2. Member States shall collectively | | |
| ensure that the sum of their contributions | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| amounts to at least the level of the Union's | | |
| binding target for renewable energy in 2030 as | | |
| referred to in Article 3 of Directive (EU) | | |
| 2018/2001.'; | | |
| | | |
| (4) In Article 29, paragraph 2 is replaced by | | |
| the following: | | |
| | | |
| '2. In the area of renewable energy, as part of its | | |
| assessment referred to in paragraph 1, the | | |
| Commission shall assess the progress made in | | |
| the share of energy from renewable sources in | | |
| the Union's gross final consumption on the basis | | |
| of an indicative Union trajectory that starts from | | |
| 20 % in 2020, reaches reference points of at | | |
| least 18 % in 2022, 43 % in 2025 and 65 % in | | |
| 2027 of the total increase in the share of energy | | |
| from renewable sources between the Union's | | |
| 2020 renewable energy target and the Union's | | |
| 2030 renewable energy target, and reaches the | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|--|
| Union's binding target for renewable energy in | | |
| 2030 as referred to in Article 3 of Directive | | |
| (EU) 2018/2001.'; | | |
| | | |
| Article 3 | | |
| | | |
| Amendments to Directive 98/70/EC | | While noting that the propsed amendment to the |
| | | FQD is included within the text of REDIII at |
| | | Article 3, amendments to the FQD must be |
| | | aligned with REDII and the proposals contained |
| | | in REDIII (Article 1). |
| | | |
| Directive 98/70/EC is amended as follows: | | |
| | | |
| (1) Article 1 is replaced by the following: | | |
| | | |
| 'Article 1 | | |
| | | |
| Scope | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| This Directive sets, in respect of road vehicles, | | |
| and non-road mobile machinery (including | | |
| inland waterway vessels when not at sea), | | |
| agricultural and forestry tractors, and | | |
| recreational craft when not at sea, technical | | |
| specifications on health and environmental | | |
| grounds for fuels to be used with positive | | |
| ignition and compression-ignition engines, | | |
| taking account of the technical requirements of | | |
| those engines.'; | | |
| | | |
| (2) Article 2 is amended as follows: | | |
| | | |
| (a) points 1, 2 and 3 are replaced by the | | |
| following: | | |
| | | |
| '1. 'petrol' means any volatile mineral oil | | |
| intended for the operation of internal | | |
| combustion positive-ignition engines for the | | |
| propulsion of vehicles and falling within CN | | |

Deadline:

Important: In order to guarantee that your comments appear accurately, please do not modify the table format by adding/removing/adjusting/merging/splitting cells and rows. This would hinder the consolidation of your comments.

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| codes 2710 12 41, 2710 12 45 and 2710 12 49; | | |
| | | |
| 2. 'diesel fuels' means gas oils falling within | | |
| CN code 2710 19 43 ¹ as referred to in | | |
| Regulation (EC) No 715/2007 of the European | | |
| Parliament and the Council ² and Regulation | | |
| (EC) 595/2009 of the European Parliament and | | |
| of the Council ³ and used for self-propelling | | |
| vehicles; | | |
| | | |
| '3. 'gas oils intended for use by non-road | | |
| mobile machinery (including inland waterway | | |

The numbering of these CN codes as specified in the Common Customs Tariff, Council Regulation (EEC) No 2658/87 of 23 July 1987 on the tariff and statistical nomenclature and on the Common Customs Tariff (OJ L 256 7.9.1987, p. 1).

Regulation (EC) No 715/2007 of the European Parliament and of the Council of 20 June 2007 on type approval of motor vehicles with respect to emissions from light passenger and commercial vehicles (Euro 5 and Euro 6) and on access to vehicle repair and maintenance information (OJ L 171, 29.6.2007, p. 1).

Regulation (EC) No 595/2009 of the European Parliament and of the Council of 18 June 2009 on type-approval of motor vehicles and engines with respect to emissions from heavy duty vehicles (Euro VI) and on access to vehicle repair and maintenance information and amending Regulation (EC) No 715/2007 and Directive 2007/46/EC and repealing Directives 80/1269/EEC, 2005/55/EC and 2005/78/EC (OJ L 188, 18.7.2009, p. 1);

Deadline:

Important: In order to guarantee that your comments appear accurately, please do not modify the table format by adding/removing/adjusting/merging/splitting cells and rows. This would hinder the consolidation of your comments.

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| vessels), agricultural and forestry tractors, and | | |
| recreational craft' means any petroleum-derived | | |
| liquid, falling within CN codes 27101943 ¹ , | | |
| referred to in Directive 2013/53/EU of the | | |
| European Parliament and of the Council ² , | | |
| Regulation (EU) 167/2013 of the European | | |
| Parliament and of the Council ³ and Regulation | | |
| (EU) 2016/1628 of the European Parliament and | | |
| of the Council ⁴ and intended for use in | | |
| compression ignition engines.'; | | |
| | | |
| (b) points 8 and 9 are replaced by the | | |

The numbering of these CN codes as specified in the Common Customs Tariff, Council Regulation (EEC) No 2658/87 of 23 July 1987 on the tariff and statistical nomenclature and on the Common Customs Tariff (OJ L 256 7.9.1987, p. 1).

Directive 2013/53/EU of the European Parliament and of the Council of 20 November 2013 on recreational craft and personal watercraft and repealing Directive 94/25/EC (OJ L 354, 28.12.2013, p.90).

Regulation (EU) No 167/2013 of the European Parliament and of the Council of 5.02.2013 on the approval and market surveillance of agricultural and forestry vehicles, (OJ L 060 of 2.3.2013, p. 1).

Regulation (EU) 2016/1628 of the European Parliament and of the Council of 14 September 2016 on requirements relating to gaseous and particulate pollutant emission limits and type-approval for internal combustion engines for non-road mobile machinery, amending Regulations (EU) No 1024/2012 and (EU) No 167/2013, and amending and repealing Directive 97/68/EC, (OJ L 354 of 28.12.2013, p.53).

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| following: | | |
| | | |
| '8. 'supplier' means 'fuel supplier' as defined in | | C.// |
| Article 2, first paragraph, point (38) of Directive | | |
| (EU) 2018/2001 of the European Parliament and | | |
| of the Council ¹ ; | | |
| | | |
| '9. 'biofuels' means 'biofuels' as defined in | | |
| Article 2, first paragraph, point (33) of Directive | | |
| (EU) 2018/2001;;; | | |
| | | |
| (3) Article 4 is amended as follows: | | |
| | | |
| (a) In paragraph 1, the second subparagraph | | |
| is replaced by the following: | | |
| | | |
| 'Member States shall require suppliers to ensure | | |

Directive (EU) 2018/2001 of the European Parliament and of the Council on the promotion of the use of energy from renewable sources, (OJ L 328 of 21.12.2018, p. 82.)

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| the placing on the market of diesel with a fatty | | |
| acid methyl ester (FAME) content of up to 7%.' | | |
| | | C*// |
| (b) Paragraph 2 is replaced by the following: | | |
| | | |
| '2, Member States shall ensure that the | | |
| maximum permissible sulphur content of gas | | |
| oils intended for use by non-road mobile | | |
| machinery (including inland waterway vessels), | | |
| agricultural and forestry tractors and | | |
| recreational craft is 10 mg/kg. Member States | | |
| shall ensure that liquid fuels other than those gas | | |
| oils may be used in inland waterway vessels and | | |
| recreational craft only if the sulphur content of | | |
| those liquid fuels does not exceed the maximum | | |
| permissible content of those gas oils.'; | | |
| | | |
| (4) Articles 7a to 7e are deleted. | | |
| | | |
| (5) Article 9 is amended as follows: | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| | | |
| (a) in paragraph 1, points (g), (h), (i) and (k) | | |
| are deleted; | | |
| | | |
| (b) paragraph 2 is deleted; | | |
| | | |
| (6) Annexes I, II, IV and V are amended in | | |
| accordance with Annex I to this Directive. | | |
| | | |
| Article 4 | | |
| | | |
| Transitional provisions | | |
| | | |
| (1) Member States shall ensure that the data | | |
| collected and reported to the authority | | |
| designated by the Member State with respect to | | |
| the year [OP]: replace by calendar year during | | |
| which the repeal takes effect] or a part thereof in | | |
| accordance with Article 7a(1), third | | |
| subparagraph, and Article 7a(7) of Directive | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| 98/70/EC, which are deleted by Article 3(4) of | | |
| this Directive, are submitted to the Commission. | | |
| | | |
| (2) The Commission shall include the data | | |
| referred to in paragraph 1 of this Article in any | | |
| report it is obliged to submit under Directive | | |
| 98/70/EC. | | |
| | | |
| Article 5 | | |
| | | |
| Transposition | | |
| | | |
| 1. Member States shall bring into force the | | |
| laws, regulations and administrative provisions | | |
| necessary to comply with this Directive by 31 | | |
| December 2024 at the latest. They shall | | |
| forthwith communicate to the Commission the | | |
| text of those provisions. | | |
| | | |
| When Member States adopt those provisions, | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| they shall contain a reference to this Directive or | | |
| be accompanied by such a reference on the | | |
| occasion of their official publication. Member | | |
| States shall determine how such reference is to | | |
| be made. | | |
| | | |
| 2. Member States shall communicate to the | | |
| Commission the text of the main provisions of | | |
| national law which they adopt in the field | | |
| covered by this Directive. | | |
| | | |
| Article 6 | | |
| | | |
| Repeal | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| Council Directive (EU) 2015/652 ¹ is repealed | | |
| with effect from [OJ: replace by calendar year | | |
| during which the repeal takes effect]. | | |
| | | |
| Article 7 | | |
| | | |
| Entry into force | | |
| | | |
| This Directive shall enter into force on the | | |
| twentieth day following that of its publication in | | |
| the Official Journal of the European Union. | | |
| | | |
| This Directive is addressed to the Member | | |
| States. | | |
| | | |
| Done at Brussels, | | |
| | | |

Council Directive (EU) 2015/652 of 20 April 2015 laying down calculation methods and reporting requirements pursuant to Directive 98/70/EC of the European Parliament and of the Council relating to the quality of petrol and diesel fuels, OJ L 107, 25.4.2015, p. 26–67

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| For the European Parliament | | |
| For the Council | | |
| | | |
| The President The | | |
| President | | |
| | | |
| ANNEX I | | |
| | | |
| The Annexes to Directive (EU) 2018/2001 are | | |
| amended as follows: | | |
| | | |
| (1) in Annex I, the final row in the table is | | |
| deleted; | | |
| | | |
| (2) the following Annex 1a is inserted: | | |
| | | |
| 'ANNEX 1a | | |
| | | |
| ANNUAL NATIONAL HEATING AND COOLING | | |
| SHARES OF ENERGY FROM RENEWABLE | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| SOURCES IN GROSS FINAL CONSUMPTION OF | | |
| ENERGY FOR 2020-2030 | | |
| | | |
| Baseline shares increase (in | | |
| percentage. points) | | |
| | | |
| (REF20/NECPs) | | |
| | | |
| Additional top ups to Article 23(1) (in | | |
| percentage points) for the period 2021-2025 ¹ | | |
| Additional top ups to Article 23(1) (in | | |
| percentage points) for the period 2026-2030 ² | | |
| Resulting shares including top ups | | |
| without waste heat and cold (in percentage | | |
| points) renewable heating and cooling shares | | |
| in 2030 in percentage points including top | | |
| ups (at least) | | |

¹ The flexibilities of Article 23 (2) (b) and (c) where taken into account when calculating the top ups and resulting shares.

² The flexibilities of Article 23 (2) (b) and (c) where taken into account when calculating the top ups and resulting shares.

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| | | |
| Belgium 0,6 0,3% 0,3 1,4% | | |
| D. I | | |
| Bulgaria <u>0,6</u> <u>0,3</u> <u>0,9%</u> <u>0,3</u> 1,4% | | |
| Czech Republic 0,6 0,3 0,5% 0,3 | | |
| 1,4% | | |
| | | |
| Denmark <u>1 0.3 0,9%</u> <u>0.85</u> 1,4% | | |
| C 0.7.0.4.0.00/.0.4.1.50/ | | |
| Germany <u>0,7 0,4 0,9%</u> <u>0,4</u> 1,5% | | |
| Estonia 1.1 0,4 1,2% 0,95 1,5% | | |
| | | |
| Ireland <u>2,1 1,8 2,%</u> <u>1,8 2,9%</u> | | |
| | | |
| Greece 1,2 0,9 1,6% 0,9 2,0% | | |
| G • 0 (0 2 1 10 / 0 2 1 40 / | | |
| Spain <u>0,6 0,3 1,1%</u> <u>0,3</u> 1,4% | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| | | |
| France 1 0,7 1,4% 0,7 1,8% | | |
| 0.000.000 | | |
| Croatia 0,6 <u>0,3</u> 0,7% <u>0,3</u> 1,4% | | |
| Italy 0,8 0,5 1,2% 0,5 1,6% | | |
| 1,070 | | |
| Cyprus <u>0,8</u> 0,5% <u>0,5</u> 1,6% | | |
| | | |
| Latvia <u>0,6 0,45</u> 0,8% <u>0,45</u> 1,0% | | |
| | | |
| Lithuania <u>1,6 0,9</u> 1,6% <u>1,45</u> 2,0% | | |
| Luxembourg 1,9 1,6 2,0% 1,6 2,7% | | |
| Luxembourg 1,7 1,0 2,070 1,0 2,770 | | |
| Hungary <u>0,7 0,4</u> 0,9% <u>0,4</u> 1,5% | | |
| | | |
| Malta <u>0,7 0,4</u> 0,5% <u>0,4</u> <u>1,5%</u> | | |
| | | |

Deadline:

| Presi | dency compr | omise | text | Drafting Sug | gestions | Comments |
|-------------|----------------------------|--------|-------------------|--------------|----------|----------|
| Netherlands | <u>0,6</u> <u>0,3</u> 0,7% | 0,3 | 1,4% | | | |
| | | | | | | |
| Austria | <u>0,7</u> <u>0,4</u> 0,7% | 0,4 | _1,5 % | | | |
| Daland | 0704100/ | 0.4 | 1 50/ | | | |
| Poland | <u>0,7</u> <u>0,4</u> 1,0% | 0,4 | 1,5% | | | |
| Portugal | <u>0,6</u> <u>0,3</u> 1,0% | 0,3 | 1,4% | | | |
| - | | | - | | | |
| Romania | <u>0,6</u> <u>0,3</u> 0,6% | 0,3 | 1,4% | | | |
| | | | | | | |
| Slovenia | <u>0,6</u> <u>0,3</u> 0,7% | 0,3 | 1,4% | | | |
| CI I | 0.60.20/ | 0.2 | 1 40/ | | | |
| Slovakia | <u>0,6</u> 0,3% | 0,3 | 1,4% | | | |
| Finland | 0,4 0,35 0,5% | 0.25 | 0.8% | | | |
| | | | <u> </u> | | | |
| Sweden | <u>0,6</u> 0,3% | 0,6 | 0,6% | | | |
| (-) | | | | | | |
| (3) Annex | III is replaced | by the | following: | | | |
| | | | | | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| ENERGY CONTENT OF FUELS | | |
| | | |
| Fuel Energy content by weight (lower | | <u></u> |
| calorific value, MJ/kg) Energy content by | | |
| volume (lower calorific value, MJ/l) | | |
| ELIEL C EDOM DIOMAGC AND/OD | | |
| FUELS FROM BIOMASS AND/OR | | |
| BIOMASS PROCESSING OPERATIONS | | |
| | | |
| Bio-Propane 46 24 | | |
| 210 110 punto 10 21 | | |
| Pure vegetable oil (oil produced from oil plants | | |
| through pressing, extraction or comparable | | |
| procedures, crude or refined but chemically | | |
| unmodified) 37 34 | | |
| | | |
| Biodiesel - fatty acid methyl ester (methyl-ester | | |
| produced from oil of biomass origin) 37 33 | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| Biodiesel - fatty acid ethyl ester (ethyl-ester | | |
| produced from oil of biomass origin) 38 34 | | |
| | | C*// |
| Biogas that can be purified to natural gas quality | | |
| 50 — | | |
| | | |
| Hydrotreated (thermochemically treated with | | |
| hydrogen) oil of biomass origin, to be used for | | |
| replacement of diesel 44 34 | | |
| | | |
| Hydrotreated (thermochemically treated with | | |
| hydrogen) oil of biomass origin, to be used for | | |
| replacement of petrol 45 30 | | |
| | | |
| Hydrotreated (thermochemically treated with | | |
| hydrogen) oil of biomass origin, to be used for | | |
| replacement of jet fuel 44 34 | | |
| | | |
| Hydrotreated oil (thermochemically treated with | | |
| hydrogen) of biomass origin, to be used for | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| replacement of liquefied petroleum gas 46 | | |
| 24 | | |
| | | C.// |
| Co-processed oil (processed in a refinery | | |
| simultaneously with fossil fuel) of biomass or | | |
| pyrolysed biomass origin to be used for | | |
| replacement of diesel 43 36 | | |
| | | |
| Co-processed oil (processed in a refinery | | |
| simultaneously with fossil fuel) of biomass or | | |
| pyrolysed biomass origin, to be used to replace | | |
| petrol 44 32 | | |
| | | |
| Co-processed oil (processed in a refinery | | |
| simultaneously with fossil fuel) of biomass or | | |
| pyrolysed biomass origin, to be used to replace | | |
| jet fuel 43 33 | | |
| | | |
| Co-processed oil (processed in a refinery | | |
| simultaneously with fossil fuel) of biomass or | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| pyrolysed biomass origin, to be used to replace | | |
| liquefied petroleum gas 46 23 | | |
| | | C*// |
| RENEWABLE FUELS THAT CAN BE | | |
| PRODUCED FROM VARIOUS | | |
| RENEWABLE SOURCES, INCLUDING | | |
| BIOMASS | | |
| | | |
| Methanol from renewable sources 20 16 | | |
| | | |
| Ethanol from renewable sources 27 21 | | |
| | | |
| Propanol from renewable sources 31 25 | | |
| | | |
| Butanol from renewable sources 33 27 | | |
| | | |
| Fischer-Tropsch diesel (a synthetic hydrocarbon | | |
| or mixture of synthetic hydrocarbons to be used | | |
| for replacement of diesel) 44 34 | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| Fischer-Tropsch petrol (a synthetic hydrocarbon | | |
| or mixture of synthetic hydrocarbons produced | | |
| from biomass, to be used for replacement of | | |
| petrol) 44 33 | | |
| | | |
| Fischer-Tropsch jet fuel (a synthetic | | |
| hydrocarbon or mixture of synthetic | | |
| hydrocarbons produced from biomass, to be | | |
| used for replacement of jet fuel) 44 33 | | |
| | | |
| Fischer-Tropsch liquefied petroleum gas (a | | |
| synthetic hydrocarbon or mixture of synthetic | | |
| hydrocarbons, to be used for replacement of | | |
| liquefied petroleum gas 46 24 | | |
| | | |
| DME (dimethylether) 28 19 | | |
| | | |
| Hydrogen from renewable sources 120 — | | |
| | | |
| ETBE (ethyl-tertio-butyl-ether produced on the | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| basis of ethanol) 36 (of which 37 % from | | |
| renewable sources) 27 (of which 37 % from | | |
| renewable sources) | | |
| | | |
| MTBE (methyl-tertio-butyl-ether produced on | | |
| the basis of methanol) 35 (of which 22 % from | | |
| renewable sources) 26 (of which 22 % from | | |
| renewable sources) | | |
| | | |
| TAEE (tertiary-amyl-ethyl-ether produced on | | |
| the basis of ethanol) 38 (of which 29 % from | | |
| renewable sources) 29 (of which 29 % from | | |
| renewable sources) | | |
| | | |
| TAME (tertiary-amyl-methyl-ether produced on | | |
| the basis of methanol) 36 (of which 18 % from | | |
| renewable sources) 28 (of which 18 % from | | |
| renewable sources) | | |
| | | |
| THxEE (tertiary-hexyl-ethyl-ether produced on | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| the basis of ethanol) 38 (of which 25 % from | | |
| renewable sources) 30 (of which 25 % from | | |
| renewable sources) | | |
| | | |
| THxME (tertiary-hexyl-methyl-ether produced | | |
| on the basis of methanol) 38 of which 14 % | | |
| from renewable sources) 30 (of which 14 % | | |
| from renewable sources) | | |
| | | |
| NON-RENEWABLE FUELS | | |
| | | |
| Petrol 43 32 | | |
| | | |
| Diesel 43 36 | | |
| | | |
| <u>Jet Fuel [43] [34]</u> | | |
| | | |
| Hydrogen from non-renewable sources 120 | | |
| _ | | |
| | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| (4) Annex IV is amended as follows: | | |
| | | |
| a) the title is replaced by the following: | | |
| | | |
| 'TRAINING AND CERTIFICATION OF INSTALLERS | | |
| AND DESIGNERS OF RENEWABLE ENERGY | | |
| INSTALLATIONS' | | |
| | | |
| b) the introductory sentence and the first | | |
| point are replaced by the following: | | |
| | | |
| 'The certification schemes and training | | |
| programmes referred to in Article 18(3) shall be | | |
| based on the following criteria: | | |
| | | |
| 1. The certification process shall be transparent | | |
| and clearly defined by the Member States or by | | |
| the administrative body that they appoint.'; | | |
| | | |
| c) The following points 1a and 1b are | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|--------------|
| inserted: | | |
| | | |
| '1a. The certificates issued by certification | | <u>_</u> "// |
| bodies shall be clearly defined and easy to | | |
| identify for workers and professionals seeking | | |
| certification. | | |
| | | |
| 1b. The certification process shall enable | | |
| installers to acquire the necessary theoretical | | |
| and practical knowledge and guarantee the | | |
| existence of skills needed to put in place high | | |
| quality installations that operate reliably.'; | | |
| | | |
| d) Points 2 and 3 are replaced by the | | |
| following: | | |
| | | |
| '2. Installers of systems using biomass, heat | | |
| pump, shallow geothermal, solar photovoltaic | | |
| and solar thermal energy shall be certified by an | | |
| accredited training programme or training | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| provider.' | | |
| | | |
| 3. The accreditation of the training programme | | C.// |
| or provider shall be effected by Member States | | |
| or by the administrative body that they appoint. | | |
| The accrediting body shall ensure that the | | |
| training programme offered by the training | | |
| provider has continuity and regional or national | | |
| coverage. | | |
| | | |
| The training provider shall have adequate | | |
| technical facilities to provide practical training, | | |
| including sufficient laboratory equipment or | | |
| corresponding facilities to provide practical | | |
| training. | | |
| | | |
| The training provider shall offer, in addition to | | |
| the basic training, shorter refresher and | | |
| upskilling courses organised in training modules | | |
| allowing installers and designers to add new | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| competences, widen and diversify their skills | | |
| across several technologies and their | | |
| combinations. The training provider shall ensure | | |
| adaptation of training to new renewable | | |
| technologies in the context of buildings, | | |
| industry and agriculture. Training providers | | |
| shall recognise acquired relevant skills. | | |
| | | |
| The training programmes and modules shall be | | |
| designed to enable life-long learning in | | |
| renewable installations and be compatible with | | |
| vocational training for first time job seekers and | | |
| adults seeking reskilling or new employment. | | |
| | | |
| The training programmes shall be designed in | | |
| order to facilitate acquiring qualification in | | |
| different technologies and solutions and avoid | | |
| limited specialisation in a specific brand or | | |
| technology. The training provider may be the | | |
| manufacturer of the equipment or system, | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| institutes or associations.'; | | |
| | | |
| e) In point 6(c) the following points (iv) | | |
| and (v) are added: | | |
| | | |
| '(iv) an understanding of feasibility and design | | |
| studies; | | |
| | | |
| (v) an understanding of drilling, in the case | | |
| of geothermal heat pumps.'; | | |
| | | |
| (5) In Annex V, part C is amended as | | |
| follows: | | |
| | | |
| a) points 5 and 6 are replaced by the | | |
| following: | | |
| | | |
| '5. Emissions from the extraction or cultivation | | |
| of raw materials, eec, shall, include emissions | | |
| from the extraction or cultivation process itself; | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| from the collection, drying and storage of raw | | |
| materials; from waste and leakages; and from | | |
| the production of chemicals or products used in | | |
| extraction or cultivation. Capture of CO ₂ in the | | |
| cultivation of raw materials shall be excluded. If | | |
| available, the disaggregated default values for | | |
| soil N2O emissions set out in Part D shall be | | |
| applied in the calculation. It is allowed to | | |
| calculate averages based on local farming | | |
| practices based on data of a group of farms, as | | |
| an alternative to using actual values.'; | | |
| | | |
| 6. For the purposes of the calculation referred to | | |
| in point 1(a), greenhouse gas emissions savings | | |
| from improved agriculture management, esca, | | |
| such as shifting to reduced or zero-tillage, | | |
| improved crops and crop/rotation, the use of | | |
| cover crops, including crop residue | | |
| management, and the use of organic soil | | |
| improver (e.g. compost, manure fermentation | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| digestate), shall be taken into account only if | | |
| they do not risk to negatively affect biodiversity. | | |
| Further, solid and verifiable evidence shall be | | |
| provided that the soil carbon has increased or | | |
| that it is reasonable to expect to have increased | | |
| over the period in which the raw materials | | |
| concerned were cultivated while taking into | | |
| account the emissions where such practices lead | | |
| to increased fertiliser and herbicide use ¹ .'; | | |
| | | |
| b) point 15 is deleted: | | |
| | | |
| c) point 18 is replaced by the following: | | |
| | | |
| 18. For the purposes of the calculations | | |

Measurements of soil carbon can constitute such evidence, e.g. by a first measurement in advance of the cultivation and subsequent ones at regular intervals several years apart. In such a case, before the second measurement is available, increase in soil carbon would be estimated on the basis of representative experiments or soil models. From the second measurement onwards, the measurements would constitute the basis for determining the existence of an increase in soil carbon and its magnitude.

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| referred to in point 17, the emissions to be | | |
| divided shall be eec + el + esca + those fractions | | |
| of ep, etd, and eccs and eccr that take place up | | |
| to and including the process step at which a co- | | |
| product is produced. If any allocation to co- | | |
| products has taken place at an earlier process | | |
| step in the life-cycle, the fraction of those | | |
| emissions assigned in the last such process step | | |
| to the intermediate fuel product shall be used for | | |
| those purposes instead of the total of those | | |
| emissions. In the case of biofuels and | | |
| bioliquids biomethane, all co-products that do | | |
| not fall under the scope of point 7 shall be taken | | |
| into account for the purposes of that calculation. | | |
| No emissions shall be allocated to wastes and | | |
| residues. Co-products that have a negative | | |
| energy content shall be considered to have an | | |
| energy content of zero for the purposes of the | | |
| calculation. As general rule, Wwastes and | | |
| residues including all wastes and residues | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| included in Annex IX shall be considered to | | |
| have zero life-cycle greenhouse gas emissions | | |
| up to the process of collection of those materials | | |
| irrespectively of whether they are processed to | | |
| interim products before being transformed into | | |
| the final product. No emissions shall be | | |
| allocated to wastes and residues. However, | | |
| for the purpose of determining the | | |
| emmissions of production of biofuels and | | |
| bioliquids residues stemming from the | | |
| processing of food and feed crops Residues | | |
| that are not included in Annex IX and fit for use | | |
| in the food or feed market chain shall be | | |
| treated in the same way as co-products. | | |
| considered to have the same amount of | | |
| emissions from the extraction, harvesting or | | |
| cultivation of raw materials, eec as their closest | | |
| substitute in the food and feed market that is | | |
| included in the table in part D as the feedstock | | |
| group they are typically replacing in the food | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| or feed chain. For this purpose the following | | |
| averages shall be used: 13 CO2 eq/MJ for | | |
| substitutes for sugars and 26 CO2 eq/MJ for | | C1 >> |
| substitutes of cereals and other starch-rich | | |
| erops as well as oil erops. In the case of | | |
| biomass fuels produced in refineries, other than | | |
| the combination of processing plants with | | |
| boilers or cogeneration units providing heat | | |
| and/or electricity to the processing plant, the | | |
| unit of analysis for the purposes of the | | |
| calculation referred to in point 17 shall be the | | |
| refinery'; | | |
| | | |
| (6) In Annex VI, part B is amended as | | |
| follows: | | |
| | | |
| a) points 5 and 6 are replaced by the | | |
| following: | | |
| | | |
| '5. Emissions from the extraction or cultivation | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| of raw materials, eec, shall, include emissions | | |
| from the extraction or cultivation process itself; | | |
| from the collection, drying and storage of raw | | |
| materials; from waste and leakages; and from | | |
| the production of chemicals or products used in | | |
| extraction or cultivation. Capture of CO ₂ in the | | |
| cultivation of raw materials shall be excluded. If | | |
| available, the disaggregated default values for | | |
| soil N2O emissions set out in Part D shall be | | |
| applied in the calculation. It is allowed to | | |
| calculate averages based on local farming | | |
| practises based on data of a group of farms, as | | |
| an alternative to using actual values.' | | |
| | | |
| 6. For the purposes of the calculation referred to | | |
| in point 1(a), greenhouse gas emissions savings | | |
| from improved agriculture management, esca, | | |
| such as shifting to reduced or zero-tillage, | | |
| improved crop/rotation, the use of cover crops, | | |
| including crop residue management, and the use | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| of organic soil improver (e.g. compost, manure | | |
| fermentation digestate), shall be taken into | | |
| account only if they do not risk to negatively | | |
| affect biodiversity. Further, solid and verifiable | | |
| evidence shall be provided that the soil carbon | | |
| has increased or that it is reasonable to expect to | | |
| have increased over the period in which the raw | | |
| materials concerned were cultivated while | | |
| taking into account the emissions where such | | |
| practices lead to increased fertiliser and | | |
| herbicide use ^{1.} '; | | |
| | | |
| b) point 15 is deleted: | | |
| | | |
| c) point 18 is replaced by the following: | | |

Measurements of soil carbon can constitute such evidence, e.g. by a first measurement in advance of the cultivation and subsequent ones at regular intervals several years apart. In such a case, before the second measurement is available, increase in soil carbon would be estimated on the basis of representative experiments or soil models. From the second measurement onwards, the measurements would constitute the basis for determining the existence of an increase in soil carbon and its magnitude.

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| | | |
| '18. For the purposes of the calculations referred | | |
| to in point 17, the emissions to be divided shall | | C*/ |
| be $e_{ec} + e_l + e_{sca} + $ those fractions of e_p , e_{td} , $\underline{\textbf{and}}$ | | |
| e _{ccs} and e _{eer} that take place up to and including | | |
| the process step at which a co-product is | | |
| produced. If any allocation to co-products has | | |
| taken place at an earlier process step in the life- | | |
| cycle, the fraction of those emissions assigned | | |
| in the last such process step to the intermediate | | |
| fuel product shall be used for those purposes | | |
| instead of the total of those emissions. | | |
| | | |
| In the case of biogas and biomethane, all co- | | |
| products that do not fall under the scope of point | | |
| $\underline{1}$ 7 shall be taken into account for the purposes | | |
| of that calculation. No emissions shall be | | |
| allocated to wastes and residues. Co-products | | |
| that have a negative energy content shall be | | |
| considered to have an energy content of zero for | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| the purposes of the calculation. As general rule, | | |
| W wastes and residues including all wastes and | | |
| residues included in Annex IX shall be | | C1 >> |
| considered to have zero life-cycle greenhouse | | |
| gas emissions up to the process of collection of | | |
| those materials irrespectively of whether they | | |
| are processed to interim products before being | | |
| transformed into the final product. No | | |
| emissions shall be allocated to wastes and | | |
| residues. However, for the purpose of | | |
| determining the emmissions of production of | | |
| biofuels and bioliquids residues stemming | | |
| from the processing of food and feed crops | | |
| Residues that are not included in Annex IX and | | |
| fit for use in the food or feed-market chain shall | | |
| be treated in the same way as co-products. | | |
| considered to have the same amount of | | |
| emissions from the extraction, harvesting or | | |
| cultivation of raw materials, eec as their closest | | |
| substitute in the food and feed market that is | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| included in the table in part D as the feedstock | | |
| group they are typically replacing in the food | | |
| or feed chain. For this purpose the following | | |
| averages shall be used: 13 CO2 eq/MJ for | | |
| substitutes for sugars and 26 CO2 eq/MJ for | | |
| substitutes of cereals and other starch-rich | | |
| erops as well as oil crops. In the case of | | |
| biomass fuels produced in refineries, other than | | |
| the combination of processing plants with | | |
| boilers or cogeneration units providing heat | | |
| and/or electricity to the processing plant, the | | |
| unit of analysis for the purposes of the | | |
| calculation referred to in point 17 shall be the | | |
| refinery'; | | |
| | | |
| (7) in Annex VII, in the definition of | | |
| 'Q _{usable} ', the reference to Article 7(4) is replaced | | |
| by a reference to Article 7(3). | | |
| | | |
| (8) Annex IX is amended as follows: | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
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| | | |
| (a) in Part A, the introductory phrase is | | |
| replaced by the following: | | |
| | | |
| 'Feedstocks for the production of biogas for | 'Feedstocks for the production of biogas for | IE has concerns in relation to the availability of |
| transport and advanced biofuels:' | transport and advanced biofuels, the | both advanced biofuels and RFNBOs in the |
| | contribution of which towards the share of | transport sector to meet the increased targets set |
| | the target established in Article 25(1), first | for these fuels in 2030 as set out in Article 25. |
| | and fourth subparagraphs, which may be | Therefore, the retention of multipliers to |
| | considered to be twice their energy content' | promote the use of Annex IX feedstocks, |
| | | especially where issues of cost efficiency, |
| | | sustainability, demand and pace of development |
| | | are factors, should be given further |
| | | consideration. |
| | | |
| | | |
| (b) In Part B, the introductory phrase is | | |
| replaced by the following: | | |
| | | |

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| 'Feedstocks for the production of biofuels and | | |
| biogas for transport, the contribution of which | | |
| towards the greenhouse gas emissions reduction | | |
| target established in Article 25(1), first | | |
| subparagraph, point (a), shall be limited='; | | |
| | | |
| ANNEX II | | |
| | | |
| Annexes I, II, IV and V to Directive 98/70/EC | | |
| are amended as follows: | | |
| | | |
| (1) Annex I is amended as follows: | | |
| | | |
| (a) the text of footnote 1 is replaced by the | | |
| following: | | |
| | | |
| '(1) Test methods shall be those specified in EN | | |
| 228:2012+A1:2017. Member States may adopt | | |
| the analytical method specified in replacement | | |
| EN 228:2012+A1:2017 standard if it can be | | |

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|---|----------------------|----------|
| shown to give at least the same accuracy and at | | |
| least the same level of precision as the analytical | | |
| method it replaces.'; | | |
| | | |
| (b) the text of footnote 2 is replaced by the | | |
| following: | | |
| | | |
| '(2) the values quoted in the | | |
| specification are 'true values'. In the | | |
| establishment of their limit values, the terms of | | |
| EN ISO 4259-1:2017/A1:2021 'Petroleum and | | |
| related products — Precision of measurement | | |
| methods and results – Part 1: Determination of | | |
| precision data in relation to methods of test' | | |
| have been applied and in fixing a minimum | | |
| value, a minimum difference of 2R above zero | | |
| has been taken into account (R = | | |
| reproducibility). The results of individual | | |
| measurements shall be interpreted on the basis | | |
| of the criteria described in EN ISO 4259- | | |

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| 2:2017/A1:2019.'; | | |
| | | |
| (c) the text of footnote 6 is replaced by the | | |
| following: | | |
| | | |
| '(6) Other mono-alcohols and ethers with a final | | |
| boiling point no higher than that stated in EN | | |
| 228:2012 +A1:2017.' | | |
| | | |
| (2) Annex II is amended as follows: | | |
| | | |
| (a) in the last line of the table, 'FAME | | |
| content – EN 14078, the entry in the last column | | |
| 'Limits' 'Maximum', '7,0' is replaced by | | |
| '10.0'; | | |
| | | |
| (b) the text of footnote 1 is replaced by the | | |
| following: | | |
| | | |
| '(1) Test methods shall be those specified in EN | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|---|----------------------|----------|
| 590:2013+A1:2017. Member States may adopt | | |
| the analytical method specified in replacement | | |
| EN 590:2013+A1:2017 standard if it can be | | |
| shown to give at least the same accuracy and at | | |
| least the same level of precision as the analytical | | |
| method it replaces.'; | | |
| | | |
| (c) the text of footnote 2 is replaced by the | | |
| following: | | |
| | | |
| '(2) The values quoted in the specification are | | |
| 'true values'. In the establishment of their limit | | |
| values, the terms of EN ISO 4259- | | |
| 1:2017/A1:2021 'Petroleum and related | | |
| products — Precision or measurement methods | | |
| and results – Part 1: Determination of precision | | |
| data in relation to methods of test' have been | | |
| applied and in fixing a minimum value, a | | |
| minimum difference of 2R above zero has been | | |
| taken into account (R = reproducibility). The | | |

Deadline:

| Presidency compromise text | Drafting Suggestions | Comments |
|--|----------------------|----------|
| results of individual measurements shall be | | |
| interpreted on the basis of the criteria described | | |
| in EN ISO 4259-2:2017/A1:2019.'; | | |
| | | |
| (3) Annexes IV and V are deleted. | | |
| | | |
| | End | End |