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| <p>2021/0218(COD)</p> <p>COD - Ordinary legislative procedure (ex-codecision procedure) Directive</p> | Procedure completed |
| <p>Renewable Energy Directive</p> <p>Amending Directive 98/70/EC 1996/0163(COD) Amending Regulation 2018/1999 2016/0375(COD) Amending Directive 2018/2001 2016/0382(COD)</p> <p>Subject</p> <p>3.60.05 Alternative and renewable energies</p> <p>Legislative priorities</p> <p>Joint Declaration 2021 Joint Declaration 2022 Joint Declaration 2023-24</p> | |

| Key players | | | | |
|----------------------|--|---|--|------------------|
| European Parliament | Committee responsible | | Rapporteur | Appointed |
| | ITRE | Industry, Research and Energy | PIEPER Markus (EPP) | 17/09/2021 |
| | | | Shadow rapporteur | |
| | | | GONZÁLEZ CASARES Nicolás (S&D) | |
| | | | GRUDLER Christophe (Renew) | |
| | | | NIINISTÖ Ville (Greens/EFA) | |
| | | | TOŠENOVSKÝ Evžen (ECR) | |
| | | | BORCHIA Paolo (ID) | |
| | | | REGO Sira (The Left) | |
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| | Committee for opinion | | Rapporteur for opinion | Appointed |
| DEVE | Development | BENTELE Hildegard (EPP) | 23/12/2021 | |
| ENVI | Environment, Public Health and Food Safety (Associated committee) | TORVALDS Nils (Renew) | 15/09/2021 | |
| IMCO | Internal Market and Consumer Protection | The committee decided not to give an opinion. | | |
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| | TRAN Transport and Tourism | THALER Barbara (EPP) | 29/10/2021 |
| | REGI Regional Development | FITTO Raffaele (ECR) | 27/09/2021 |
| | AGRI Agriculture and Rural Development | PICIERNO Pina (S&D) | 09/09/2021 |
| | PETI Petitions | The committee decided not to give an opinion. | |
| | Committee for opinion on the legal basis | Rapporteur for opinion | Appointed |
| | JURI Legal Affairs | VOSS Axel (EPP) | 01/07/2023 |
| Council of the European Union | | | |
| European Commission | Commission DG | Commissioner | |
| | Energy | SIMSON Kadri | |
| European Economic and Social Committee | | | |
| European Committee of the Regions | | | |

| Key events | | | |
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| Date | Event | Reference | Summary |
| 14/07/2021 | Legislative proposal published | COM(2021)0557  | Summary |
| 13/09/2021 | Committee referral announced in Parliament, 1st reading | | |
| 11/11/2021 | Referral to associated committees announced in Parliament | | |
| 13/07/2022 | Vote in committee, 1st reading | | |
| 18/07/2022 | Committee report tabled for plenary, 1st reading | A9-0208/2022 | Summary |
| 13/09/2022 | Debate in Parliament |  | |
| 14/09/2022 | Decision by Parliament, 1st reading | T9-0317/2022 | Summary |
| 14/09/2022 | Results of vote in Parliament |  | |
| 14/09/2022 | Matter referred back to the committee responsible for interinstitutional negotiations | | |
| 28/06/2023 | Approval in committee of the text agreed at 1st reading interinstitutional negotiations | PE751.617 GEDA/A/(2023)004123 | |
| 11/09/2023 | Debate in Parliament |  | |

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| 12/09/2023 | Decision by Parliament, 1st reading | T9-0303/2023 | Summary |
| 12/09/2023 | Results of vote in Parliament |  | |
| 09/10/2023 | Act adopted by Council after Parliament's 1st reading | | |
| 18/10/2023 | Final act signed | | |
| 31/10/2023 | Final act published in Official Journal | | |

| Technical information | |
|---|---|
| Procedure reference | 2021/0218(COD) |
| Procedure type | COD - Ordinary legislative procedure (ex-codecision procedure) |
| Procedure subtype | Legislation |
| Legislative instrument | Directive |
| Amendments and repeals | Amending Directive 98/70/EC 1996/0163(COD) Amending Regulation 2018/1999 2016/0375(COD) Amending Directive 2018/2001 2016/0382(COD) |
| Legal basis | Rules of Procedure EP 57_o Rules of Procedure EP 41 Treaty on the Functioning of the European Union TFEU 194-p2 Treaty on the Functioning of the European Union TFEU 114-p1 |
| Mandatory consultation of other institutions | European Economic and Social Committee European Committee of the Regions |
| Stage reached in procedure | Procedure completed |
| Committee dossier | ITRE/9/06924 |




| Documentation gateway | | | | |
|--------------------------------|----------------------|---------------------------|------------|---------|
| European Parliament | | | | |
| Document type | Committee | Reference | Date | Summary |
| Committee draft report | | PE719.550 | 14/02/2022 | |
| Amendments tabled in committee | | PE729.880 | 17/03/2022 | |
| Amendments tabled in committee | | PE729.881 | 17/03/2022 | |
| Amendments tabled in committee | | PE729.882 | 17/03/2022 | |
| Amendments tabled in committee | | PE729.928 | 17/03/2022 | |
| Amendments tabled in committee | | PE729.929 | 17/03/2022 | |
| Amendments tabled in committee | | PE729.930 | 17/03/2022 | |
| Committee opinion | AGRI | PE700.585 | 22/04/2022 | |
| Committee opinion | TRAN | PE719.572 | 19/05/2022 | |
| Committee opinion | ENVI | PE703.044 | 24/05/2022 | |
| Committee opinion | DEVE | PE719.604 | 24/05/2022 | |
| Committee opinion | REGI | PE703.013 | 22/06/2022 | |

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| Committee report tabled for plenary, 1st reading/single reading | | A9-0208/2022 | 18/07/2022 | Summary |
| Text adopted by Parliament, partial vote at 1st reading /single reading | | T9-0317/2022 | 14/09/2022 | Summary |
| Text agreed during interinstitutional negotiations | | PE751.617 | 16/06/2023 | |
| Specific opinion | JURI | PE751.842 | 07/09/2023 | |
| Text adopted by Parliament, 1st reading/single reading | | T9-0303/2023 | 12/09/2023 | Summary |

Council of the EU

| Document type | Reference | Date | Summary |
|--|-------------------------------------|------------|---------|
| Coreper letter confirming interinstitutional agreement | GEDA/A/(2023)004123 | 28/06/2023 | |
| Draft final act | 00036/2023/LEX | 18/10/2023 | |

European Commission

| Document type | Reference | Date | Summary |
|--|--|------------|-------------------------|
| Legislative proposal | COM(2021)0557  | 14/07/2021 | Summary |
| Document attached to the procedure | SEC(2021)0657 | 15/07/2021 | |
| Document attached to the procedure | SWD(2021)0620  | 15/07/2021 | |
| Document attached to the procedure | SWD(2021)0621 | 15/07/2021 | |
| Document attached to the procedure | SWD(2021)0622  | 15/07/2021 | |
| Commission response to text adopted in plenary | SP(2023)525 | 19/12/2023 | |

National parliaments

| Document type | Parliament /Chamber | Reference | Date | Summary |
|------------------|-------------------------------|-------------------------------|------------|---------|
| Contribution | ES_PARLIAMENT | SWD(2021)0620 | 03/11/2021 | |
| Contribution | ES_PARLIAMENT | SWD(2021)0621 | 03/11/2021 | |
| Contribution | ES_PARLIAMENT | SWD(2021)0622 | 03/11/2021 | |
| Contribution | PL_SENATE | COM(2021)0557 | 29/11/2021 | |
| Contribution | IT_CHAMBER | COM(2021)0557 | 27/06/2022 | |
| Reasoned opinion | SE_PARLIAMENT | PE700.504 | 20/07/2023 | |

Other institutions and bodies

| Institution/body | Document type | Reference | Date | Summary |
|------------------|--------------------------------|-----------|------|---------|
| | Economic and Social Committee: | | | |

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|------|-----------------------------------|--------------|------------|--|
| EESC | opinion, report | CES3123/2021 | 08/12/2021 | |
| CofR | Committee of the Regions: opinion | CDR4547/2021 | 28/04/2022 | |

| Additional information | | |
|------------------------|----------|------------|
| Source | Document | Date |
| EP Research Service | Briefing | 12/11/2021 |
| European Commission | EUR-Lex | |

Meetings with interest representatives published in line with the Rules of Procedure

Rapporteurs, Shadow Rapporteurs and Committee Chairs

| Transparency | | | | |
|--------------------|-------------------------------|-----------|------------|---|
| Name | Role | Committee | Date | Interest representatives |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 01/12/2023 | ElectroFleet |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 01/12/2023 | ProWind |
| THALER Barbara | Rapporteur for opinion | TRAN | 10/11/2023 | CEFS |
| THALER Barbara | Rapporteur for opinion | TRAN | 31/10/2023 | Tiroler Rohre GmbH |
| TORVALDS Nils | Shadow rapporteur for opinion | ENVI | 09/10/2023 | ALTERMIND |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 22/09/2023 | SmartCity House |
| PIEPER Markus | Rapporteur | ITRE | 04/09/2023 | European Calcium Silicate Producers Association |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 23/06/2023 | Verband der Deutschen Biokraftstoffindustrie e.V. |
| THALER Barbara | Rapporteur for opinion | TRAN | 20/06/2023 | IV Tirol |
| THALER Barbara | Rapporteur for opinion | TRAN | 16/06/2023 | Universität Graz HyCentA Research GmbH |
| THALER Barbara | Rapporteur for opinion | TRAN | 06/06/2023 | SynCraft |
| THALER Barbara | Rapporteur for opinion | TRAN | 23/05/2023 | Österreichs Energie |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 25/04/2023 | OE4EU |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 21/04/2023 | Revis Nordfuel GmbH Hy2Gen Ag |
| THALER Barbara | Rapporteur for opinion | TRAN | 14/04/2023 | Nahwärme St. Anton am Arlberg |
| TORVALDS Nils | Rapporteur for opinion | ENVI | 23/03/2023 | Eurnatur |

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|--------------------------|-------------------------------|------|------------|---|
| GONZÁLEZ CASARES Nicolás | Shadow rapporteur | ITRE | 22/03/2023 | Forestal del Atlántico |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 14/03/2023 | FEDENE |
| GONZÁLEZ CASARES Nicolás | Shadow rapporteur | ITRE | 09/03/2023 | The German Permanent Representation |
| PIEPER Markus | Rapporteur | ITRE | 08/03/2023 | Bayerischer Waldbesitzerverband e.V. Bundesverband Bioenergie e.V. Confédération Européenne des Propriétaires Forestiers Familienbetriebe Land und Forst Bayern e.V. |
| TORVALDS Nils | Rapporteur for opinion | ENVI | 21/02/2023 | LP Brussels |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 17/02/2023 | Finnish Energy - Energiategollisuus ry |
| GONZÁLEZ CASARES Nicolás | Shadow rapporteur | ITRE | 15/02/2023 | French Energy Transition Minister |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 13/02/2023 | Fern |
| TORVALDS Nils | Rapporteur | ITRE | 09/02/2023 | Wärtsilä Corporation |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 26/01/2023 | Transport and Environment (European Federation for Transport and Environment) |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 26/01/2023 | Fern Partnership for Policy Integrity |
| GONZÁLEZ CASARES Nicolás | Shadow rapporteur | ITRE | 10/01/2023 | Repsol, S.A. |
| GONZÁLEZ CASARES Nicolás | Shadow rapporteur | ITRE | 03/01/2023 | Magallanes renovables |
| GONZÁLEZ CASARES Nicolás | Shadow rapporteur | ITRE | 03/01/2023 | ENCE |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 01/12/2022 | Schneider Electric |
| THALER Barbara | Rapporteur for opinion | TRAN | 29/11/2022 | Münzer Bioindustrie GmbH |
| THALER Barbara | Rapporteur for opinion | TRAN | 08/11/2022 | VERBUND AG Vereinigung der österreichischen Industrie - Industriellenvereinigung Wirtschaftskammer Österreich AK BXL |
| THALER Barbara | Rapporteur for opinion | TRAN | 07/11/2022 | TIWAG |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 28/10/2022 | Partnership for Policy Integrity |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 26/10/2022 | Fern Partnership for Policy Integrity |
| TORVALDS Nils | Rapporteur | ENVI | 26/10/2022 | Stockholms Exergi |
| TORVALDS Nils | Rapporteur | ENVI | 25/10/2022 | Nordfuel Oy |
| TORVALDS Nils | Rapporteur | ENVI | 14/10/2022 | Alicece Energy |
| TORVALDS Nils | Rapporteur | ENVI | 12/10/2022 | Pohjolan Voima Oyj |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 03/10/2022 | RELOOP |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 03/10/2022 | ELECTRICITE DE FRANCE |

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|--------------------|-------------------------------|------|------------|---|
| TORVALDS Nils | Rapporteur | ENVI | 21/09/2022 | Metsä group |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 14/09/2022 | EPIA SolarPower Europe |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 14/09/2022 | USDA |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 14/09/2022 | EPIA SolarPower Europe WindEurope |
| WÖLKEN Tiemo | Rapporteur for opinion | ENVI | 07/09/2022 | Europe Beyond Burning Campaign |
| THALER Barbara | Rapporteur for opinion | TRAN | 06/09/2022 | Bunge Ltd European Biodiesel Board European Biogas Association Neste Oyj TotalEnergies SE FEDIOL COPA-COGECA EOA sugar CEFS CEPM CIBE COCERAL ePURE Polish Biofuels Association |
| TORVALDS Nils | Rapporteur | ENVI | 05/09/2022 | Ei polteta tulevaisuutta |
| WÖLKEN Tiemo | Shadow rapporteur for opinion | ENVI | 30/08/2022 | Fern Nabu Forest out of RED coalition |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 24/08/2022 | Kreab drt firmenich |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 21/07/2022 | KFS Biodiesel |
| THALER Barbara | Rapporteur for opinion | TRAN | 21/07/2022 | Austrocell |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 19/07/2022 | Bundesverband Bioenergie / Landesverband Erneuerbare Energien Niedersachsen |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 19/07/2022 | Waldschutzgenossenschaft Osnabrück-Süd |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 18/07/2022 | Renewable Energy Group |
| THALER Barbara | Rapporteur for opinion | TRAN | 08/07/2022 | TIWAG |
| PIEPER Markus | Rapporteur | ITRE | 07/07/2022 | Deutsche Umwelthilfe e.V. |
| PIEPER Markus | Rapporteur | ITRE | 06/07/2022 | smartEn Smart Energy Europe |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 22/06/2022 | Euroheat and Power |
| THALER Barbara | Rapporteur for opinion | TRAN | 21/06/2022 | International Road Transport Union Permanent Delegation to the EU |
| THALER Barbara | Rapporteur for opinion | TRAN | 21/06/2022 | European Association of Mining Industries, Metal Ores & Industrial Minerals |
| TORVALDS Nils | Rapporteur | ENVI | 14/06/2022 | Climate Bonds Initiative Europe |
| | | | | RECS Energy Certificate Association |

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| NIINISTÖ Ville | Shadow rapporteur | ITRE | 10/06/2022 | The I-REC Standard Foundation |
| TORVALDS Nils | Rapporteur | ENVI | 08/06/2022 | Fortum Oyj |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 01/06/2022 | RENAULT |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 11/05/2022 | Bioenergy Europe US Industrial Pellet Association Deutsches Forum für nachhaltige Holzenergie Onyx GmbH Österreichischer Biomasseverband |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 11/05/2022 | Community Leaders/T&E |
| PIEPER Markus | Rapporteur | ITRE | 11/05/2022 | Transport and Environment (European Federation for Transport and Environment) Campanha Cerrado Conselho Indígena de Roraima |
| PIEPER Markus | Rapporteur | ITRE | 10/05/2022 | Deutscher Wasserstoff und Brennstoffzellen Verband |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 09/05/2022 | Waldschutzgenossenschaft Osnabrück |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 06/05/2022 | EUROFER |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 05/05/2022 | Alliance for Solar Mobility Lightyear |
| BORCHIA Paolo | Shadow rapporteur | ITRE | 03/05/2022 | Eni S.p.A. |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 27/04/2022 | Metsäliitto Cooperative |
| PIEPER Markus | Rapporteur | ITRE | 27/04/2022 | Deutsche Umwelthilfe e.V. Deutscher Naturschutzring, Dachverband der deutschen Natur-, Tier- und Umweltschutzverbände (DNR) e.V. Germanwatch Klima Allianz Deutschland e.V. Naturschutzbund Deutschland e.V. |
| PIEPER Markus | Rapporteur | ITRE | 27/04/2022 | Uniper |
| TORVALDS Nils | Rapporteur | ENVI | 25/04/2022 | Fortum Oyj |
| PIEPER Markus | Rapporteur | ITRE | 21/04/2022 | European Anglers Alliance |
| THALER Barbara | Rapporteur for opinion | TRAN | 20/04/2022 | CLEPA |
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 20/04/2022 | MEW Mittelständische Energiewirtschaft Deutschland e.V. |
| THALER Barbara | Rapporteur for opinion | TRAN | 11/04/2022 | INNIO |
| THALER Barbara | Rapporteur for opinion | TRAN | 11/04/2022 | Bioenergie Tirol GmbH |
| THALER Barbara | Rapporteur for opinion | TRAN | 08/04/2022 | OEBB |
| TORVALDS Nils | Rapporteur | ENVI | 07/04/2022 | Finnish Energy - Energiateollisuus ry |
| THALER Barbara | Rapporteur for opinion | TRAN | 02/04/2022 | OEAMTC |
| TORVALDS Nils | Rapporteur | ENVI | 31/03/2022 | Stora Enso Oyj |
| TORVALDS Nils | Rapporteur | ENVI | 31/03/2022 | EuroNatur - Stiftung Europäisches Naturerbe |

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| TORVALDS Nils | Rapporteur | ENVI | 30/03/2022 | Metsä group |
| TORVALDS Nils | Rapporteur | ENVI | 28/03/2022 | Finnish Forest Industries Federation (Metsäteollisuus ry) |
| TORVALDS Nils | Rapporteur | ENVI | 28/03/2022 | CEPF |
| TORVALDS Nils | Rapporteur | ENVI | 28/03/2022 | Neste Oyj |
| PIEPER Markus | Rapporteur | ITRE | 24/03/2022 | UNITI Bundesverband EnergieMittelstand e.V. |
| TORVALDS Nils | Rapporteur | ENVI | 23/03/2022 | Vattenfall |
| PIEPER Markus | Rapporteur | ITRE | 14/03/2022 | UPM-Kymmene Oyj |
| PIEPER Markus | Rapporteur | ITRE | 14/03/2022 | Third Generation Environmentalism Ltd |
| KARLESKIND Pierre | Shadow rapporteur for opinion | TRAN | 11/03/2022 | Farwing |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 10/03/2022 | Suomen Osuuskauppojen Keskuskunta |
| THALER Barbara | Rapporteur for opinion | TRAN | 09/03/2022 | Hydrogen Europe Repsol, S.A. Renewable Hydrogen Coalition bp |
| KARLESKIND Pierre | Shadow rapporteur for opinion | TRAN | 09/03/2022 | Union des ports de France |
| PIEPER Markus | Rapporteur | ITRE | 09/03/2022 | logen Corporation |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 08/03/2022 | Renewable hydrogen coalition |
| TORVALDS Nils | Rapporteur | ENVI | 08/03/2022 | Eurogas |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 04/03/2022 | Nel Hydrogen |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 04/03/2022 | Suomen Satamaliitto ry |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 04/03/2022 | Smart Energy for Europe Platform (SEFEP) gGmbH |
| KARLESKIND Pierre | Shadow rapporteur for opinion | TRAN | 03/03/2022 | ESPO |
| PIEPER Markus | Rapporteur | ITRE | 03/03/2022 | Westdeutscher Handwerkskammertag |
| TORVALDS Nils | Rapporteur | ENVI | 03/03/2022 | Paikallisvoima ry |
| PIEPER Markus | Rapporteur | ITRE | 02/03/2022 | ROBIN WOOD -- Gewaltfreie Aktionsgemeinschaft für Natur und Umwelt e.V.; EuroNatur - Stiftung Europäisches Naturerbe; EUREC- The association of European Renewable Energy Research Centres; Agora Energiewende; |
| PIEPER Markus | Rapporteur | ITRE | 01/03/2022 | LANDWÄRME GMBH |
| TORVALDS Nils | Rapporteur | ENVI | 01/03/2022 | Ørsted A/S |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 28/02/2022 | DIGITALEUROPE |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 28/02/2022 | GRDF |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 28/02/2022 | Fransylva |
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|----------------------|-------------------------------|------|------------|---|
| WÖLKEN Tiemo | Shadow rapporteur | ITRE | 25/02/2022 | US Industrial Pellet Association Deutsches Forum für nachhaltige Holzenergie |
| PIEPER Markus | Rapporteur | ITRE | 24/02/2022 | Stadtwerke Koeln GmbH |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 23/02/2022 | GoodFuels |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 23/02/2022 | European Network of Transmission System Operators for Electricity |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 17/02/2022 | EDF |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 16/02/2022 | Tesla Motors Netherlands B.V. |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 16/02/2022 | European Ventilation Industry Association |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 15/02/2022 | smartEn Smart Energy Europe |
| THALER Barbara | Rapporteur for opinion | TRAN | 15/02/2022 | Obrist |
| TORVALDS Nils | Rapporteur | ENVI | 15/02/2022 | Kotkamills |
| TORVALDS Nils | Rapporteur | ENVI | 11/02/2022 | Etanoliautoilijat ry |
| PIEPER Markus | Rapporteur | ITRE | 10/02/2022 | VNG AG |
| THALER Barbara | Rapporteur for opinion | TRAN | 08/02/2022 | eFuel Alliance |
| TORVALDS Nils | Rapporteur | ENVI | 08/02/2022 | IBERDROLA |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 04/02/2022 | MM Kotkamills Oy |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 02/02/2022 | EUROGAS aisbl |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 01/02/2022 | Green Planet Energy |
| TORVALDS Nils | Rapporteur | ENVI | 31/01/2022 | DIGITALEUROPE |
| VANDENKENDELAERE Tom | Shadow rapporteur for opinion | AGRI | 26/01/2022 | Fertilizers Europe |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 25/01/2022 | Euroheat and Power |
| KARLESKIND Pierre | Shadow rapporteur | ITRE | 21/01/2022 | Union des ports de France |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 20/01/2022 | Zero Waste Europe |
| PIEPER Markus | Rapporteur | ITRE | 20/01/2022 | BAYERNOIL Raffineriegesellschaft mbH |
| VANDENKENDELAERE Tom | Rapporteur for opinion | AGRI | 20/01/2022 | Bioenergy Europe |
| TORVALDS Nils | Rapporteur | ENVI | 19/01/2022 | FinMobility ry |
| TORVALDS Nils | Rapporteur | ENVI | 19/01/2022 | British Petroleum |
| PIEPER Markus | Rapporteur | ITRE | 18/01/2022 | EUROGAS aisbl |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 14/01/2022 | Bioenergy Europe |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 13/01/2022 | Transport and Environment (European Federation for Transport and Environment) |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 13/01/2022 | ENEDIS |

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|--------------------|-------------------|------|------------|--|
| GRUDLER Christophe | Shadow rapporteur | ITRE | 12/01/2022 | Vattenfall |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 12/01/2022 | NGO consortium on biomass |
| PIEPER Markus | Rapporteur | ITRE | 12/01/2022 | E.ON SE |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 11/01/2022 | UNION FRANCAISE DE L'ELECTRICITE - UFE |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 11/01/2022 | FarmEurope |
| GRUDLER Christophe | Shadow rapporteur | ITRE | 11/01/2022 | SAFRAN |
| PIEPER Markus | Rapporteur | ITRE | 10/01/2022 | Arbeitsgemeinschaft Wasserkraftwerke Baden-Württemberg e.V. |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 04/01/2022 | ÖBB-Holding AG |
| NIINISTÖ Ville | Shadow rapporteur | ITRE | 04/01/2022 | Publyon Zürich 5 Coalition |
| PIEPER Markus | Rapporteur | ITRE | 06/12/2021 | Breakthrough Energy Catalyst Foundation Hydrogen Europe Open Grid Europe GmbH Siemens Energy AG Enapter S.r.l. |
| PIEPER Markus | Rapporteur | ITRE | 25/11/2021 | EUROGAS aisbl WACKER CHEMIE AG Wirtschaftsvereinigung Stahl Renewable Hydrogen Coalition The EnergyTag Initiative Ltd |
| PIEPER Markus | Rapporteur | ITRE | 24/11/2021 | ChargeUp Europe EPIA SolarPower Europe Primagas Energie GmbH smartEn Smart Energy Europe Future Cleantech Architects Minesto AB |
| PIEPER Markus | Rapporteur | ITRE | 24/11/2021 | Association of the European Heating Industry KIC InnoEnergy SE Schneider Electric Verband der Deutschen Biokraftstoffindustrie ista International GmbH |
| PIEPER Markus | Rapporteur | ITRE | 18/11/2021 | Deutsche Umwelthilfe e.V. Naturschutzbund Deutschland e.V. |
| PIEPER Markus | Rapporteur | ITRE | 16/11/2021 | Deutscher Forstwirtschaftsrat (AfE-DFWR) |
| PIEPER Markus | Rapporteur | ITRE | 10/11/2021 | Europex |
| PIEPER Markus | Rapporteur | ITRE | 09/11/2021 | Climate Action Network Europe German Renewable Energy Federation Greenpeace European Unit Transport and Environment WWF European Policy Office |
| PIEPER Markus | Rapporteur | ITRE | 09/11/2021 | Bundesverband der Deutschen Luftverkehrswirtschaft e. V. Gas Distributors for Sustainability PGE Polska Grupa Energetyczna SA Robert Bosch GmbH TenneT Holding B.V. Deutscher Industrie-und Handelskammertag e.V. |
| PIEPER Markus | Rapporteur | ITRE | 18/10/2021 | Bundesverband der Deutschen Heizungsindustrie e.V. |

Other Members

| Transparency | | |
|--------------------------|------------|---|
| Name | Date | Interest representatives |
| WÖLKEN Tiemo | 04/02/2026 | EWE Aktiengesellschaft |
| TORVALDS Nils | 20/09/2023 | SOK ABC |
| FUGLSANG Niels | 21/06/2023 | Ørsted A/S |
| FUGLSANG Niels | 20/06/2023 | Ørsted A/S |
| PEKKARINEN Mauri | 15/03/2023 | TotalEnergies SE |
| POULSEN Erik | 01/02/2023 | Green Power Denmark |
| WINZIG Angelika | 31/01/2023 | EVN AG PANTARHEI Corporate Advisors |
| TORVALDS Nils | 12/01/2023 | European Biogas Association |
| PETERSEN Morten | 30/11/2022 | Ørsted A/S |
| PETERSEN Morten | 16/11/2022 | Ørsted A/S |
| WIEZIK Michal | 13/09/2022 | Europe Beyond Burning Protect the Forest Sweden |
| ARIMONT Pascal | 13/09/2022 | SolarPower Europe |
| LIMMER Sylvia | 13/09/2022 | Renewable Hydrogen Coalition |
| DEPARNAY-GRUNENBERG Anna | 08/09/2022 | CEE Bankwatch Network European Environmental Bureau Stichting BirdLife Europe WWF European Policy Programme NABU Jo CanEurope |
| PETERSEN Morten | 07/09/2022 | Ørsted A/S |
| DEPARNAY-GRUNENBERG Anna | 06/09/2022 | ROBIN WOOD -- Gewaltfreie Aktionsgemeinschaft für Natur und Umwelt e.V. DUH NABU |
| KARLESKIND Pierre | 06/09/2022 | SEM REV |
| PETERSEN Morten | 02/09/2022 | Vestas Wind Systems A/S |
| OMARJEE Younous | 31/08/2022 | EURODOM |
| DECERLE Jérémy | 30/08/2022 | Interprobois |
| ARIMONT Pascal | 09/06/2022 | Unilever |
| ARIMONT Pascal | 08/06/2022 | ONGs belges |
| ARIMONT Pascal | 08/06/2022 | Group of Belgian NGOs: Fédération Inter Environnement Wallonie, Oxfam Belgique, FIAN Belgium, 11.11.11, Greenpeace, Bond Beter Leefmilieu, BOS+, CNCD |
| BOTENGA Marc | 06/06/2022 | Inter-Environnement Wallonie Bond Beter Leefmilieu |
| PETERSEN Morten | 27/04/2022 | Ørsted A/S |
| PETERSEN Morten | 26/04/2022 | Rådet for Grøn Omstilling |
| PETERSEN Morten | 20/04/2022 | Confederation of Danish Industry |
| PETERSEN Morten | 19/04/2022 | IBERDROLA |
| PETERSEN Morten | 05/04/2022 | PGE Polska Grupa Energetyczna SA |

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|---|------------|---|
| DE MEO Salvatore | 22/03/2022 | Confindustria |
| DE MEO Salvatore | 15/03/2022 | PFP |
| MITUȚA Alin | 10/03/2022 | EUROGAS aisbl |
| PETERSEN Morten | 16/02/2022 | Ørsted A/S |
| MITUȚA Alin | 14/02/2022 | European Geothermal Energy Council |
| CARVALHO Maria da Graça | 11/02/2022 | Greenvolt |
| PETERSEN Morten | 31/01/2022 | Enviva |
| TORVALDS Nils | 20/01/2022 | Finnish Biocycle and Biogas Association |
| PETERSEN Morten | 20/12/2021 | European Association of Distribution System Operators |
| PETERSEN Morten | 15/12/2021 | Rockwool |
| PETERSEN Morten | 15/12/2021 | Knauf Insulation |
| PETERSEN Morten | 14/12/2021 | Siemens Energy AG |
| PETERSEN Morten | 03/12/2021 | PGE Polska Grupa Energetyczna S.A |
| PETERSEN Morten | 08/11/2021 | Rådet for Grøn Omstilling |
| PETERSEN Morten | 08/11/2021 | WindEurope |

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| Final act |
| Directive 2023/2413 OJ L 000 31.10.2023, p. 0000 Summary |
| Corrigendum to final act 32023L2413R(02) OJ OJ L 10.01.2025 |

Renewable Energy Directive

2021/0218(COD) - 14/07/2021 - Legislative proposal

PURPOSE: to amend existing legislation on the promotion of energy from renewable sources in the light of the EU's climate ambition.

PROPOSED ACT: Directive of the European Parliament and of the Council.

ROLE OF THE EUROPEAN PARLIAMENT: the European Parliament decides in accordance with the ordinary legislative procedure and on an equal footing with the Council.

BACKGROUND: 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 EU. By reducing those greenhouse gas emissions, renewable energy also contributes to tackling environmental-related challenges such as biodiversity loss.

Directive (EU) 2018/2001 (Renewable energy Directive II - RED II) 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. Therefore, the target needs to be increased.

The European Green Deal launched a new growth strategy for the EU that aims to transform the EU into a fair and prosperous society, with a modern, resource-efficient and competitive economy. The '[European Climate Law](#)' has made the EU's climate neutrality target by 2050 legally binding.

The Commission has presented a **complementary and interconnected set of proposals as part of the 2030 Climate and Energy 'Fit for 55' package** to achieve the greenhouse gas emission reduction target of **at least 55% compared to 1990**. This 'Fit for 55' legislative package is the most comprehensive building block in the efforts to implement the ambitious new 2030 climate target, and all economic sectors and policies will need to make their contribution.

CONTENT: the proposed revision of the Renewable Energy Directive aims to raise the production target so that the **share of energy from renewable sources reaches 40% by 2030**. All Member States will contribute to this target, and specific targets are proposed for the use of renewable energy in transport, heating and cooling systems, buildings and industry.

The main changes are as follows:

Strengthening the renewable energy target

The proposal requires fuel suppliers to ensure that the amount of renewable fuels and renewable electricity supplied to the **transport sector** leads to a reduction in greenhouse gas intensity of **at least 13% by 2030**. It also provides for a mandatory annual increase of 1.1 percentage points for the use of renewable energy in the **heating and cooling sector** at national level.

In addition, the proposal sets an indicative target for **industry** (1.1 percentage point annual increase in the use of renewable energy) and a new EU indicative target of 49% renewable energy in buildings by 2030.

In line with the ambition of the EU hydrogen strategy, the proposal also raises the ambition level for **advanced biofuels** to 2.2% of transport energy consumption and introduces a 2.6% target for hydrogen and synthetic hydrogen fuels in the sector.

Promoting the deployment of and investment in renewable energy

In line with the EU's strategy for the integration of the energy system, the proposal introduces measures to **develop electrification**, including a credit mechanism for transport. The measures include:

- setting up an EU-wide certification scheme for renewable fuels (including hydrogen)
- facilitating purchase agreements for electricity from renewable sources;
- speeding up the authorisation of renewable energy projects;
- promote cross-border cooperation, including through the Renewable Energy Financing Facility.

Sustainable bioenergy

In line with the EU Biodiversity Strategy, the proposal **strengthens the EU's sustainability criteria** for the use of bioenergy and also provides for specific biodiversity and climate safeguards for forest biomass.

In particular, the proposal:

- bans the sourcing of biomass for energy production from primary forests, peatlands and wetlands;
- specifies sustainability criteria for harvesting and maintaining soil quality and biodiversity;
- promotes the use of biomass according to its highest economic and environmental added value (cascading);
- prohibits national financial incentives which support the use of saw logs, veneer logs (high quality wood), and stumps and roots (that are important for the soil) for energy generation;
- requires all biomass heat and power installations to meet minimum greenhouse gas emission reduction thresholds;
- requires the application of EU sustainability criteria to smaller heat and power plants (5 MW or more).

Renewable Energy Directive

2021/0218(COD) - 18/07/2022 - Committee report tabled for plenary, 1st reading/single reading

The Committee on Industry, Research and Energy adopted the report by Markus PIEPER (EPP, DE) on the 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.

The committee responsible recommended that the European Parliament's position adopted at first reading under the ordinary legislative procedure should amend the proposal as follows:

Binding overall EU target for 2030

Member States should collectively ensure that the share of energy from renewable sources in the Union's gross final energy consumption in 2030 is at least 45%. Each Member State should set an indicative target of at least 5% of newly installed renewable energy capacity between the date of entry into force of the Directive and 2030 as innovative renewable energy technology.

To facilitate the integration of renewable energy and to increase flexibility and balancing services, Member States should set an indicative target for storage technologies.

To contribute to the achievement of the Union's binding target in a cost-effective manner and to ensure system efficiency, Member States should set an indicative minimum target at national level for demand flexibility corresponding to a 5% reduction of peak electricity demand by 2030.

In line with the Commission Recommendation on the **primacy of energy efficiency**, the Directive should take an integrated approach by promoting the most efficient renewable energy source for a given sector and application, and by promoting system efficiency in order to use the least amount of energy possible for the various economic activities.

Calculating the share of energy from renewable sources

When calculating the share of renewable energy in a Member State, renewable fuels of non-biological origin should be included in the sector where they are consumed (electricity, heating and cooling, or transport). Where renewable fuels of non-biological origin are consumed in a Member State other than that in which they were produced, the energy generated by the use of renewable fuels of non-biological origin should account for 80% of their volume in the country and sector where they are consumed and 20% of their volume in the country where they are produced, unless otherwise agreed between the Member States concerned.

Joint projects

Each Member State should enter into **cooperation agreements** to set up joint projects with one or more other Member States to produce renewable energy, including hybrid offshore renewable energy assets, as follows:

(a) by 31 December 2025, Member States with an annual electricity consumption of 100 TWh or less should set up at least two joint projects;

(b) by 2030 at the latest, Member States with an annual electricity consumption of more than 100 TWh should set up a third joint project.

Accelerating procedures

Overly complex and lengthy administrative procedures are a major obstacle to the deployment of renewable energy. The amended text stressed the need to further **streamline administrative and permitting procedures** to reduce the administrative burden for both renewable energy projects and related grid infrastructure projects. Within one year of the entry into force of the Directive, the Commission should revise the permitting guidelines to shorten and simplify procedures for new projects, retrofitting projects and upgrading of renewable energy projects. Key performance indicators should be developed as part of these guidelines.

Integration of renewable energy in the building sector

With a view to promoting the production and use of renewable energy and waste heat and cooling in the buildings sector, Member States should set an **indicative target** for the share of renewable energy produced on-site or nearby in the final energy consumption of their buildings sector in 2030 that is consistent with the indicative target of at least 49% of energy from renewable sources and waste heat and cooling in the buildings sector in the final energy consumption of the Union in 2030.

Member States should have the possibility to count waste heat and cold towards the indicative target for renewable energy in buildings, up to a limit of 20 %, with an upper limit of 54 %.

To promote the use of renewable energy in the heating and cooling sector, each Member State should increase the share of renewable energy in this sector by an **indicative 2.3 percentage points**, calculated as an annual average for the periods 2021-2025 and 2026-2030, using the share of renewable energy in the heating and cooling sector in 2020 as a reference point.

Reduction of greenhouse gas emission intensity in the transport sector

In the transport sector, renewables deployment should lead to a **16% reduction** in greenhouse gas emissions, through the use of higher shares of advanced biofuels and a more ambitious quota for renewable fuels of non-biological origin such as hydrogen.

Fuel suppliers would be obliged to ensure that the share of advanced biofuels and biogas produced from feedstocks listed in Annex IX, Part A, in the energy supplied to the transport sector is at least 0.5 % in 2025 and at least 2.2 % in 2030, and the share of renewable fuels of non-biological origin is at least 2.6 % in 2028 and at least 5.7 % in 2030.

Biofuels, bioliquids and biomass fuels

Energy from biofuels, bioliquids and biomass fuels should only be considered if they meet sustainability and greenhouse gas emission saving criteria and if they respect the waste hierarchy and take into account the cascading principle.

Biofuels, bioliquids and biomass fuels produced from agricultural biomass considered must not be produced from raw material from land of high biodiversity value (e.g. primary forests, old-growth forests and forests with high biodiversity value; areas designated for the protection of rare, threatened or endangered ecosystems or species; natural grasslands spanning more than one hectare with high biodiversity value).

Speeding up the launch of hydrogen

Members also insisted on the transparency of green electricity components and the simplification of hydrogen ramp-up, including a **simpler system for guaranteeing of its origin**. The amended text stressed the importance of encouraging research and innovation in the field of clean energies, such as hydrogen, in order to meet the growing demand for alternative fuels and, above all, to make available on the market energy that is cheaper than fossil fuels like diesel, fuel oil and petrol, for which prices are now hitting record highs.

Renewable Energy Directive

2021/0218(COD) - 12/09/2023 - Text adopted by Parliament, 1st reading/single reading

The European Parliament adopted by 470 votes to 120, with 40 abstentions, a legislative resolution on the 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.

Parliament's position adopted at first reading following the ordinary legislative procedure amended the Commission proposal as follows:

Binding overall Union target for 2030

Member States should collectively ensure that the share of energy from renewable sources in the Union's gross final consumption of energy in 2030 is at least 42.5 %. They should aim to achieve 45%. Member States should set an indicative target for innovative renewable energy technology of at least 5 % of newly installed renewable energy capacity by 2030. Member States should design support schemes for energy from biofuels, bioliquids and biomass fuels in such a way as to avoid incentivising unsustainable pathways and distorting competition with the material sectors, with a view to ensuring that woody biomass is used according to its highest economic and environmental added value.

Joint projects

By 31 December 2025, each Member State should agree to establish a framework for cooperation on joint projects with one or more other Member States for the production of renewable energy, subject to the following:

- by 31 December 2030, Member States should endeavour to agree on establishing at least two joint projects;
- by 31 December 2033, Member States with an annual electricity consumption of more than 100 TWh shall endeavour to agree on establishing a third joint project.

Coordinated mapping

By 18 months after the date of entry into force of this amending Directive, Member States should carry out a coordinated mapping for the deployment of renewable energy in their territory to identify the domestic potential and the available land surface, sub-surface, sea or inland water areas that are necessary for the installation of renewable energy plants and their related infrastructure, such as grid and storage facilities, including thermal storage, that are required in order to meet at least their national contributions towards the overall Union renewable energy target for 2030.

Renewables acceleration areas

By 27 months after the date of entry into force of this amending Directive, Member States should ensure that competent authorities adopt one or more **plans** designating renewables acceleration areas for one or more types of renewable energy sources. Member States may exclude biomass combustion and hydropower plants.

In those plans, competent authorities should designate sufficiently **homogeneous land, inland water, and sea areas** where the deployment of a specific type or specific types of renewable energy sources is not expected to have a significant environmental impact, in view of the particularities of the selected area. Member States should ensure public participation regarding the plans designating renewables acceleration areas.

Member States may adopt one or more plans to designate dedicated infrastructure areas for the development of grid and storage projects that are necessary to integrate renewable energy into the electricity system where such development is not expected to have a significant environmental impact.

Permit-granting procedure in renewables acceleration areas

The permit-granting procedure should **not exceed 12 months** for renewable energy projects in renewables acceleration areas. However, in the case of offshore renewable energy projects, the permit-granting procedure shall not exceed two years.

The permit-granting procedure for the repowering of renewable energy power plants, for new installations with an electrical capacity of less than 150 kW, for co-located energy storage, including power and thermal facilities, as well as for their grid connection, where located in renewables acceleration areas, should not exceed six months. However, in the case of offshore wind energy projects, the permit-granting procedure shall not exceed 12 months.

Member States should ensure that the permit-granting procedure **should not exceed two years** for renewable energy projects located **outside renewables acceleration areas**.

In order to further promote and accelerate the repowering of existing renewable energy power plants, the amended text establishes a simplified permit-granting procedure for grid connections should be established where the repowering results in a limited increase in total capacity compared to the original project.

The duration of the permit procedure must not exceed (i) **three months** for the installation of solar energy and co-located energy storage equipment, including building-integrated solar installations, in existing or future man-made structures, excluding artificial water bodies; (ii) **one month** for the installation of solar energy equipment with a capacity of 100 kW or less, including for self-consumers of renewable energy and renewable energy communities; (iii) one month for the installation of heat pumps of less than 50 MW.

Mainstreaming renewable energy in industry

Member States should endeavour to increase the share of renewable sources in the amount of energy sources used for final energy and non-energy purposes in the industry sector by an indicative increase of at least **1.6 percentage points** as an annual average calculated for the periods 2021 to 2025 and 2026 to 2030.

Member States should ensure that the contribution of renewable fuels of non-biological origin used for final energy and non-energy purposes shall be **at least 42 %** of the hydrogen used for final energy and non-energy purposes in industry by 2030, and 60 % by 2035.

Heating and cooling

Each Member State should increase the share of renewable energy in this sector by at least **0.8 percentage points** calculated as an annual average for the period 2021-2025 and by at least 1.1 percentage points calculated as an annual average for the period 2026-2030. Member States should aim to increase the share of energy from renewable sources and from waste heat and cooling in heat and cooling networks by an indicative amount of 2.2 percentage points as an annual average over the period 2021-2030.

Transport sector

Each Member State should set an obligation on fuel suppliers to ensure that the amount of renewable fuels and renewable electricity supplied to the transport sector leads to a: (i) share of renewable energy within the final consumption of energy in the transport sector of at least 29 % by 2030; or (ii) **greenhouse gas intensity reduction of at least 14.5 % by 2030**.

To achieve this, the legislation on the one hand requires an increase in the share of advanced biofuels in the sector's consumption and, on the other, sets more ambitious quotas for renewable fuels of non-biological origin, such as hydrogen.

Use of biomass

Members called for stricter criteria on the use of biomass to ensure that the EU does not subsidise unsustainable practices. Biomass harvesting should be done in a way that prevents negative impacts on soil quality and biodiversity.

Renewable Energy Directive

2021/0218(COD) - 14/09/2022 - Text adopted by Parliament, partial vote at 1st reading/single reading

The European Parliament adopted by 418 votes to 109, with 111 abstentions, amendments on the 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.

The matter was referred back to the committee responsible for inter-institutional negotiations.

The main amendments adopted in plenary are the following:

Binding overall EU target for 2030

Member States should collectively ensure that the share of energy from renewable sources in the Union's gross final energy consumption in 2030 is **at least 45%**. Each Member State should set an **indicative target of at least 5%** of newly installed renewable energy capacity between the date of entry into force of the Directive and 2030 as innovative renewable energy technology.

Member States should also:

- set an indicative target for storage technologies to facilitate the integration of renewable energy and increase flexibility and balancing services;
- set an indicative minimum target at national level for demand flexibility corresponding to a 5% reduction in peak electricity demand by 2030. This target would be achieved through demand flexibility in all end-use sectors, including through building renovation and energy efficiency.

Each Member State should identify in its integrated energy and climate plan the measures needed to achieve these targets.

Calculating the share of energy from renewable sources

When calculating the share of renewable energy in a Member State, renewable fuels of non-biological origin should be included in the sector where they are consumed (electricity, heating and cooling, or transport). Where renewable fuels of non-biological origin are consumed in a Member State other than that in which they were produced, the energy generated by the use of renewable fuels of non-biological origin should account for 80% of their volume in the country and sector where they are consumed and 20% of their volume in the country where they are produced, unless otherwise agreed between the Member States concerned.

Joint projects

Each Member State should enter into **cooperation agreements** to set up joint projects with one or more other Member States to produce renewable energy, including hybrid offshore renewable energy assets, as follows:

- (a) by 31 December 2025, Member States with an annual electricity consumption of 100 TWh or less should set up at least two joint projects;

(b) by 2030 at the latest, Member States with an annual electricity consumption of more than 100 TWh should set up a **third joint project**.

Accelerating procedures

Overly complex and lengthy administrative procedures are a major obstacle to the deployment of renewable energy. The amended text stressed the need to further **streamline administrative and permitting procedures** to reduce the administrative burden for both renewable energy projects and related grid infrastructure projects.

National rules on authorisation, certification and licensing procedures should be proportionate and necessary and support the implementation of the energy efficiency principle. All administrative procedures should be simplified.

Integration of renewable energy in the building sector

With a view to promoting the production and use of renewable energy and waste heat and cooling in the buildings sector, Member States should set an **indicative target** for the share of renewable energy produced on-site or nearby in the final energy consumption of their buildings sector in 2030. Member States should have the possibility to count waste heat and cold towards the indicative target for renewable energy in buildings, up to a limit of **20 %**, with an upper limit of **54 %**.

Heating and cooling sector

To promote the use of renewable energy in the heating and cooling sector, each Member State should increase the share of renewable energy in this sector by an **indicative 2.3 percentage points**, calculated as an annual average for the periods 2021-2025 and 2026-2030, using the share of renewable energy in the heating and cooling sector in 2020 as a reference point.

Mainstreaming renewable energy in industry

Industry is expected to increase the use of renewable energy by **at least 1.9 percentage points** on an indicative average annual basis by 2030. This increase would be calculated as an average for the three-year periods 2024-2027 and 2027-2030.

Reduction of greenhouse gas emission intensity in the transport sector

In the transport sector, renewables deployment should lead to a **16% reduction** in greenhouse gas emissions, through the use of higher shares of advanced biofuels and a more ambitious quota for renewable fuels of non-biological origin such as hydrogen.

Fuel suppliers would be obliged to ensure that the share of advanced biofuels and biogas produced from feedstocks listed in Annex IX, Part A, in the energy supplied to the transport sector is at least 0.5 % in 2025 and at least 2.2 % in 2030, and the share of renewable fuels of non-biological origin is at least 2.6 % in 2028 and at least 5.7 % in 2030.

From 2030 onwards, fuel suppliers should deliver at least 1.2% of renewable fuels of non-biological origin and renewable hydrogen to the maritime transport mode.

Biofuels, bioliquids and biomass fuels

Energy from biofuels, bioliquids and biomass fuels should only be considered if they meet sustainability and greenhouse gas emission saving criteria and if they respect the waste hierarchy and take into account the cascading principle.

Biofuels, bioliquids and biomass fuels produced from agricultural biomass considered must not be produced from raw material from land of high biodiversity value (e.g. primary forests, old-growth forests and forests with high biodiversity value; areas designated for the protection of rare, threatened or endangered ecosystems or species; natural grasslands spanning more than one hectare with high biodiversity value).

Members adopted amendments calling for a **gradual reduction in the share of share of fuels derived from primary woody biomass**.

Speeding up the launch of hydrogen

Members also insisted on the transparency of green electricity components and the simplification of hydrogen ramp-up, including a **simpler system for guaranteeing of its origin**. The amended text stressed the importance of encouraging research and innovation in the field of clean energies, such as hydrogen.

Renewable Energy Directive

2021/0218(COD) - 31/10/2023 - Final act

PURPOSE: to adopt new rules in the field of renewable energies with a view to reducing greenhouse gas emissions, energy dependency and energy prices.

LEGISLATIVE ACT: Directive (EU) 2023/2413 of the European Parliament and of the Council amending Directive (EU) 2018/2001, Regulation (EU) 2018/1999 and Directive 98/70/EC as regards the promotion of energy from renewable sources, and repealing Council Directive (EU) 2015/652.

CONTENT: the new Renewable Energy Directive aims to increase the share of renewable energy in the EU's overall energy consumption to **42.5% by 2030**, with an additional indicative target of 2.5% intended to help reach the 45% target. Each Member State will contribute to this common target.

Member States will set an indicative target for innovative renewable energy technologies of at least **5%** of newly installed renewable energy capacity by 2030.

All Member States will contribute to more ambitious sectoral targets in the transport, industry, buildings and district heating and cooling sectors.

Mapping for the deployment of renewable energy

Member States will be required to carry out coordinated mapping for the deployment of renewable energy and related infrastructure on their territory, in coordination with local and regional authorities. They will identify the **terrestrial, surface and underground areas**, and the maritime and inland water areas required for the establishment of renewable energy installations and related infrastructure, in order to meet their national contributions to the revised global renewable energy target for 2030.

By 21 February 2026 at the latest, Member States must ensure that the competent authorities adopt one or more plans designating **renewables acceleration areas** for one or more types of energy source.

Transport

Member states will have the possibility to choose between:

- a **binding target of a 14.5%** reduction in greenhouse gas intensity in transport from the use of renewables by 2030;
- or a **binding share of at least 29%** of renewables within the final consumption of energy in the transport sector by 2030.

The new rules establish a binding combined sub-target of 5.5% for **advanced biofuels** (generally derived from non-food-based feedstocks) and **renewable fuels of non-biological origin** (mostly renewable hydrogen and hydrogen-based synthetic fuels) in the share of renewable energies supplied to the transport sector. Within this target, there is a minimum requirement of 1% of renewable fuels of non-biological origin (RFNBOs) in the share of renewable energies supplied to the transport sector in 2030.

Buildings, heating and cooling

Member States will determine an indicative national share of renewable energy produced on-site or nearby as well as renewable energy taken from the grid in final energy consumption in their building sector in 2030 that is consistent with an **indicative target of at least a 49%** share of energy from renewable sources in the building sector in the Union's final energy consumption in buildings in 2030.

Each Member State will increase the share of renewable energy in this sector by at least 0.8 percentage points calculated as an annual average for the period 2021-2025 and by at least **1.1 percentage points calculated as an annual average** for the period 2026-2030. The minimum annual average rate applicable to all Member States is complemented by additional indicative increases calculated specifically for each Member State.

Industry

The Directive states that industry will need to increase the use of renewable energy annually by **1.6%**. Member States agreed that **42%** of the hydrogen used in industry should come from renewable fuels of non-biological origin (RFNBOs) by 2030 and **60%** by 2035.

Member States will have the possibility to discount the contribution of RFNBOs in industry use by 20% under two conditions: (i) if the Member States' national contribution to the binding overall EU target meets their expected contribution the share of hydrogen from fossil fuels consumed in the Member State is not more 23% in 2030 and 20% in 2035.

Bioenergy

The Directive strengthens the **sustainability criteria** for the use of biomass for energy, in order to reduce the risk of unsustainable bioenergy production. Member states will ensure that the cascading principle is applied, with a focus on support schemes and with due regard to national specificities.

Faster permits for projects

Permitting procedures for renewable energy projects will be accelerated. The duration of the permitting procedure will **not exceed twelve months** for renewable energy projects in renewables acceleration areas. However, in the case of offshore renewable energy projects, the permit-granting procedure will not exceed **two years**.

The duration of the permit procedure must not exceed (i) **three months** for the installation of solar energy and co-located energy storage equipment, including building-integrated solar installations, in existing or future man-made structures, excluding artificial water bodies; (ii) **one month** for the installation of solar energy equipment with a capacity of 100 kW or less, including for self-consumers of renewable energy and renewable energy communities; (iii) **one month** for the installation of heat pumps of less than 50 MW.

ENTRY INTO FORCE: 20.11.2023.

TRANSPOSITION: 21.5.2025.