



2016/2058(INI)

27.5.2016

AMENDMENTS

1 - 92

Draft opinion
Christofer Fjellner
(PE582.292v01-00)

EU Strategy on Heating and Cooling
(2016/2058(INI))

Amendment 1
Damiano Zoffoli, Simona Bonafè, Jo Leinen

Draft opinion
Paragraph 1

Draft opinion

1. Welcomes the Commission communication on an EU Strategy on Heating and Cooling (COM(2016)0051) as an integral part of the Energy Union strategy; notes the major importance of the heating and cooling sector in achieving the EU energy and climate objectives by 2020 and 2050 and achieving the security of energy supply objectives;

Amendment

1. Welcomes the Commission communication on an EU Strategy on Heating and Cooling (COM(2016)0051) as an integral part of the Energy Union strategy; notes the major importance of the heating and cooling sector in achieving the EU energy and climate objectives by 2020, **2030** and 2050 and achieving the security of energy supply objectives;

Or. en

Amendment 2
Ian Duncan, Jadwiga Wiśniewska, Bolesław G. Piecha

Draft opinion
Paragraph 1

Draft opinion

1. Welcomes the Commission communication on an EU Strategy on Heating and Cooling (COM(2016)0051) as an integral part of the Energy Union strategy; notes the major importance of the heating and cooling sector in achieving the EU energy and climate objectives by 2020 and 2050 and achieving the security of energy supply objectives;

Amendment

1. Welcomes the Commission communication on an EU Strategy on Heating and Cooling (COM(2016)0051) as an integral part of the Energy Union strategy; notes the major importance of the heating and cooling sector in achieving the EU energy and climate objectives by 2020 and 2050 and achieving the security of energy supply objectives ***by making the best use of indigenous energy sources;***

Or. en

Amendment 3
Ian Duncan, Jadwiga Wiśniewska, Bolesław G. Piecha

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1 a. Stresses the fact that the development of district heating systems in many countries prevents the spread of more polluting individual heating systems which increase air pollution in residual areas and are much more difficult to control than wide-spread district heating systems; stresses, however, that these systems often need modernisation to enhance their efficiency, therefore funds should be secured to enable the necessary modernisation;

Or. en

Amendment 4
Miriam Dalli

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1 a. Highlights that EU policy tools and capacities are not sufficiently developed yet to drive the transformation of the heating and cooling sector, to maximise the use of potentials and to deploy solutions for demand reduction and decarbonisation at the required scale and pace;

Or. en

Amendment 5
Fredrick Federley, Morten Helveg Petersen, Jasenko Selimovic

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1 a. Notes that it is estimated that the amount of heat produced from industrial processes and wasted in the atmosphere or into water, rather than utilised in some productive way, is enough to cover the Union's entire heating needs in residential and tertiary buildings;

Or. en

Amendment 6
Christofer Fjellner

Draft opinion
Paragraph 1 a (new)

Draft opinion

Amendment

1 a. Underlines that energy efficient buildings will play an important part in increasing the efficiency of the heating and cooling sector;

Or. en

Amendment 7
Fredrick Federley, Nils Torvalds, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria, Gerben-Jan Gerbrandy

Draft opinion
Paragraph 1 b (new)

Draft opinion

Amendment

1 b. Notes that measures for developing a comprehensive and integrated strategy for Heating and Cooling within the Energy Union offer significant opportunities for both EU business and consumers if implemented correctly, in terms of reducing overall energy costs for industry, boosting competitiveness and delivering cost

savings to consumers;

Or. en

Amendment 8

Ian Duncan, Jadwiga Wiśniewska, Bolesław G. Piecha

Draft opinion

Paragraph 1 b (new)

Draft opinion

Amendment

1 b. Points out, in this regard, that district heating is covered by the ETS Directive and although it is not subject to carbon leakage it should stay protected as it prevents emissions leakage to the non-ETS sectors;

Or. en

Amendment 9

Damiano Zoffoli, Jo Leinen, Simona Bonafè, Massimo Paolucci

Draft opinion

Paragraph 2

Draft opinion

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; *emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;*

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand *and that private and public buildings account for 40 % of final energy use in the EU and 36 % of CO2 emissions; considers therefore that improving buildings energy efficiency is of prime importance in reducing CO2 emissions and improving energy security, as well as for ending energy poverty and improving health;*

Or. en

Amendment 10

Nicola Caputo

Draft opinion

Paragraph 2

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the **EU's** energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Amendment

2. Recalls that heating and cooling constitute **50% of the primary energy used in EU and** the largest share of the energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Or. en

Amendment 11

Marco Affronte, Piernicola Pedicini, Eleonora Evi

Draft opinion

Paragraph 2

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of **technology-neutral and** market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings; **highlights the relevance of promoting the best low carbon technologies for building and industrial sectors in order to reduce the demand of thermal conditioning and to ensure the reduction of GHGs and other pollutants.**

Or. en

Amendment 12

Nikos Androulakis

**Draft opinion
Paragraph 2**

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector ***and of focusing not only on a component level, such as buildings;***

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector;

Or. en

**Amendment 13
Margrete Auken**

**Draft opinion
Paragraph 2**

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, ***such as buildings;***

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level;

Or. en

**Amendment 14
Fredrick Federley, Nils Torvalds, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria, Jasenko Selimovic**

**Draft opinion
Paragraph 2**

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on *a* component level, such as buildings;

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; ***regrets that substantial amounts of heat are wasted; underlines that fossil fuels are the largest primary source of energy supply for heating and cooling and*** emphasises ***in this context*** the importance of ***district heating as well as*** technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on ***one*** component level, such as buildings;

Or. en

Amendment 15

Jasenko Selimovic, Anneli Jäätteenmäki, Frédérique Ries

Draft opinion
Paragraph 2

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand ***and that much of it is wasted; underlines that fossil fuels account for 75% of the primary energy supply for heating and cooling*** emphasises ***in that context*** the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Or. en

Amendment 16

Angélique Delahaye, Michel Dantin, Françoise Grossetête

Draft opinion

Paragraph 2

Draft opinion

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Amendment

2. Recalls that heating and cooling constitute the largest share of the EU's energy demand; emphasises ***that a European gas crisis would be a heat crisis; emphasises*** the importance of technology-neutral and market-based incentives in the transition to a low-carbon and secure energy supply to the heating and cooling sector and of focusing not only on a component level, such as buildings;

Or. en

Amendment 17 Margrete Auken

Draft opinion Paragraph 2 a (new)

Draft opinion

Amendment

2 a. Notes that in colder climate space heating accounts for more than 80 % of heating and cooling consumption in total; emphasises that 85% of the energy consumption within a building is required for space heating and domestic hot water and that it is therefore necessary to enable consumers to accelerate the modernisation of their old and inefficient heating systems; calls on the European Commission to prioritise the modernisation of the existing building stock in the EU and the – largely inefficient – installed heating systems, in the review of the Directive on the Energy Performance of Buildings (2010/31/EU);

Or. en

Amendment 18

Simona Bonafè, Damiano Zoffoli, Soledad Cabezón Ruiz, Carlos Zorrinho

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. Underlines that 85% of the energy consumption within a building is required for space heating and domestic hot water and that it is therefore necessary to enable consumers to accelerate the modernisation of their old and inefficient heating systems in Europe in order to deliver at least 20% energy efficiency gains by 2020 with available technologies, including renewable heating systems;

Or. en

Amendment 19
Jasenko Selimovic, Anneli Jäätteenmäki, Frédérique Ries

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. Underlines the crucial importance of improved energy efficiency; recalls that two-thirds of the EU's buildings were built when energy efficiency requirements were limited or non-existent; calls therefore on the Commission and Member States to promote energy renovation which can bring big energy savings while also being economically beneficial as well as smart buildings energy-related products;

Or. en

Amendment 20
Kateřina Konečná

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6 a. *Recalls that two-thirds of the EU's buildings were built when energy efficiency requirements were limited or non-existent and that significant energy savings can be made through simple renovations; calls on the Commission to support efficiency and renovations of publicly and privately owned buildings and to secure proper funding.*

Or. en

Amendment 21
Fredrick Federley, Nils Torvalds, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria, Jasenko Selimovic

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. *Underlines that nearly half of the buildings in the Union have individual boilers installed before 1992; encourages therefore the Commission and the Member states to take measures to accelerate the refurbishment of outdated heating and coling appliances; stresses the importance of district heating in this regard;*

Or. en

Amendment 22
Jasenko Selimovic, Anneli Jäätteenmäki, Frédérique Ries

Draft opinion
Paragraph 2 b (new)

Draft opinion

Amendment

2 b. *Underlines that almost half of the EU's buildings have individual boilers installed before 1992; encourages therefore the Commission and the Member States to take measures to accelerate the refurbishment of outdated heating and cooling appliances;*

Or. en

Amendment 23
Margrete Auken

Draft opinion
Paragraph 2 b (new)

Draft opinion

Amendment

2 b. *Recalls that despite some progress in the heating and cooling sector moving to renewable energy, 75 % of the primary energy supply still comes from fossil fuels; notes that buildings - and people living in them - are the first consumers of heating and cooling; emphasises that the first priority is to reduce the energy bills through renovation; insists that the remaining need for heating and cooling should come directly or indirectly from renewable energy sources;*

Or. en

Amendment 24
Kateřina Konečná

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. *Considers that there is a large untapped potential to increase energy*

efficiency in the residential heating sector; calls on Member States to adopt measures increasing heating systems' energy efficiency, as it is a cost-effective way to cut residential CO2 emissions.

Or. en

Amendment 25
Nikos Androulakis

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. Underlines the upcoming review of the Energy Performance of Buildings Directive (EPBD) and calls for the adoption of a comprehensive framework facilitating the renovation in multi-apartment buildings and the use of environmental friendly electronic equipment;

Or. en

Amendment 26
Marco Affronte, Piernicola Pedicini, Eleonora Evi

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. recalls that investing in energy saving and efficiency offers the highest and fastest financial return in the energy sector.

Or. en

Amendment 27

Christofer Fjellner

Draft opinion
Paragraph 2 a (new)

Draft opinion

Amendment

2 a. *Calls for a cost-effective approach focused on achieving energy savings at system level;*

Or. en

Amendment 28

Simona Bonafè, Damiano Zoffoli, Soledad Cabezón Ruiz, Carlos Zorrinho

Draft opinion
Paragraph 2 b (new)

Draft opinion

Amendment

2 b. *Emphasises the active role that consumers can play in the path to a sustainable European heating and cooling system; underlines that an efficient outcome of the new regulation on "energy labelling", where scales of the new labels are forward-looking and allow to highlight the differences in terms of energy efficiency of the different products, can improve consumers' possibility to address their choices in terms of energy savings and to reduce their bills; highlights that specific instruments - such as smart meters and domotic controls - can improve consumers' consumption patterns.*

Or. en

Amendment 29

Marco Affronte, Piernicola Pedicini, Eleonora Evi

Draft opinion
Paragraph 2 b (new)

Draft opinion

Amendment

2 b. urges the Commission to put forward a legislative proposal to set up binding targets for energy reduction combined with the renewal of white certificates market that can support investments from Energy Services Companies as well as other private investors.

Or. en

Amendment 30

Fredrick Federley, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria

Draft opinion

Paragraph 2 b (new)

Draft opinion

Amendment

2 b. Notes that EU regulatory frameworks serve to underline broad objectives, but true progress in revolutionising heating and cooling as part of a wider energy system overhaul is essential;

Or. en

Amendment 31

Fredrick Federley, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria, Gerben-Jan Gerbrandy

Draft opinion

Paragraph 2 c (new)

Draft opinion

Amendment

2 c. Notes that the most effective way of delivering on joint objectives is to empower and support local and regional authorities, in conjunction with all relevant stakeholders, to apply a fully

integrated systems based approach to urban planning, infrastructure development, building and renovation of housing stock and new industrial development in order to maximise potential cross-overs, efficiencies and other mutual benefits;

Or. en

Amendment 32

Marco Affronte, Piernicola Pedicini, Eleonora Evi

Draft opinion

Paragraph 2 c (new)

Draft opinion

Amendment

2 c. underlines the fundamental role of a restructuring plan of the building sectors to boost green economy and green local jobs potential in the field of energy saving, energy efficiency and renewables in private and public building sector.

Or. en

Amendment 33

Jasenko Selimovic, Anneli Jäätteenmäki, Frédérique Ries, Ulrike Müller

Draft opinion

Paragraph 2 c (new)

Draft opinion

Amendment

2 c. Encourages the Commission and the Member States to also recognize the profitability of using heat pumps in the heating and cooling sector;

Or. en

Amendment 34

Marco Affronte, Piernicola Pedicini, Eleonora Evi

**Draft opinion
Paragraph 2 d (new)**

Draft opinion

Amendment

2 d. *stresses the importance on investing to educate people to reduce conditioning, to use less energy intensive appliances, to fully exploit the potential of renewables.*

Or. en

**Amendment 35
Marco Affronte, Piernicola Pedicini, Eleonora Evi**

**Draft opinion
Paragraph 2 e (new)**

Draft opinion

Amendment

2 e. *stresses the importance of the role of technologies able to reduce thermal energy demand and to reduce emissions like the low enthalpy geothermal energy, renewable based heating/cooling districts, small scale natural gas tri-generating power plants or their combination.*

Or. en

**Amendment 36
Marco Affronte, Piernicola Pedicini, Eleonora Evi**

**Draft opinion
Paragraph 3**

Draft opinion

Amendment

3. *Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat*

3. *Calls on the Commission to put forward a comprehensive strategy to support initiatives aimed at reducing energy consumption and emissions in*

and power production, industrial processes, waste management and demand-side management;

heating and cooling sectors by supporting the full exploitation of passive systems, heating and cooling district and renewable energies.

Or. en

Amendment 37

Ian Duncan, Jadwiga Wiśniewska, Boleslaw G. Piecha

Draft opinion

Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by ***linking heat and power production***, industrial processes, waste management and demand-side management;

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by ***creating incentives to link heat production, electricity generation***, industrial processes, waste management and demand-side management; ***underlines that these incentives should encourage all key stakeholders (citizens, the energy sectors, manufacturers etc.) to make the best use of scarce resources with clear views for arriving at both financial benefits and improvements in the quality of life;***

Or. en

Amendment 38

Jo Leinen

Draft opinion

Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes,

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency ***and CO2 emission reductions*** at system level by ***promoting the use of***

waste management and demand-side management;

renewable energy sources, linking heat and power production, industrial processes, waste management and demand-side management;

Or. en

Amendment 39

Fredrick Federley, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria, Jasenko Selimovic

Draft opinion Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management;

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, *notably the re-use of waste gases*, waste management, *energy efficiency in buildings*, and demand-side management;

Or. en

Amendment 40

Annie Schreijer-Pierik

Draft opinion Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management;

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, *agricultural and* industrial processes, waste management and demand-side management;

Or. en

Amendment 41
Margrete Auken

Draft opinion
Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management;

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management; ***emphasises that heat and power production linked to waste management should be consistent with the waste hierarchy as defined in the circular economy, avoiding lock-in to incineration of resources which can be recycled or reused;***

Or. en

Amendment 42
Damiano Zoffoli, Simona Bonafè, Massimo Paolucci

Draft opinion
Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management;

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management; ***underlines that cogeneration and tri-generation in the abovementioned sectors should be therefore deeper exploited in line with the circular economy principles;***

Or. en

Amendment 43
Nicola Caputo

Draft opinion
Paragraph 3

Draft opinion

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management;

Amendment

3. Calls on the Commission to fully utilise the heating and cooling sector in achieving cost-efficient gains in energy efficiency at system level by linking heat and power production, industrial processes, waste management and demand-side management; ***in this regard, calls on the Commission to draw up a plan to promote the sustainable use of organic waste for heating and cooling as part of the "Waste to energy" programme;***

Or. en

Amendment 44
Gerben-Jan Gerbrandy

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. Underlines the importance of preventing a costly lock-in in heating infrastructure linked to high-carbon sources of energy production; stresses the need to assess the need for public financial support for district heating infrastructure in the context of the EU's objective to reduce greenhouse gas emissions by 80 to 95% by 2050 compared to 1990 levels and an orderly transition of the energy economy.

Or. en

Amendment 45
Miriam Dalli

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. *Believes that consumers must be at the centre of this strategy, using modern technologies and innovative solutions to shift to a smart, efficient and sustainable heating and cooling system that can unlock energy and budgetary savings for companies and citizens, improve air quality, increase well-being for individuals and provide benefits to businesses and to society as a whole;*

Or. en

Amendment 46
Fredrick Federley, Anneli Jäätteenmäki, Morten Helveg Petersen, José Inácio Faria, Jasenko Selimovic, Gerben-Jan Gerbrandy

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. *Stresses that research and technological innovation fosters the leadership of European industry, strengthens the competitive advantage and commercial viability of European business, and contributes to the main EU energy policy goals, including ensuring security of supply, sustainable development of energy production, transportation and consumption;*

Or. en

Amendment 47
Damiano Zoffoli, Simona Bonafè, Jo Leinen, Massimo Paolucci

Draft opinion
Paragraph 3 c (new)

Draft opinion

Amendment

3 c. *Stresses the need to invest more in research and development in order to develop innovative and technological solutions; stresses at the same time that through a wider use of currently available technologies it will be possible to increase by 20% the efficiency of heating and cooling systems;*

Or. en

Amendment 48
Damiano Zoffoli, Simona Bonafè, Massimo Paolucci, Jo Leinen

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. *Underlines that if on one hand a large part of the European buildings today suffer from waste of energy because of their poor insulation quality and their old and inefficient heating systems, on the other hand energy poverty affects nearly 11% of the EU population;*

Or. en

Amendment 49
Simona Bonafè, Damiano Zoffoli

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. *Stresses that biogas represents an important sustainable source for heating*

and cooling systems; for this reason it is necessary to set up a clear target for organic recycling in order to incentivise investments in the collection and treatment of bio-waste.

Or. en

Amendment 50
Ivo Belet

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. Recommends to examine how the reuse of industrial waste heat and cold can be incentivized, in particular through the ETS, in the framework of the ETS-revision;

Or. en

Amendment 51
Jasenko Selimovic, Anneli Jäätteenmäki, Frédérique Ries, Ulrike Müller

Draft opinion
Paragraph 3 a (new)

Draft opinion

Amendment

3 a. Encourages the Commission and the Member States to further support the re-use of waste heat and cold produced in the industry sector;

Or. en

Amendment 52
Jasenko Selimovic, Anneli Jäätteenmäki, Frédérique Ries

Draft opinion

Paragraph 3 b (new)

Draft opinion

Amendment

3 b. *Recalls that there are too few attractive financial products for building renovation; calls on the Commission to ensure that sufficient financial support for investments in energy efficiency is made available through the European Structural and Investment Funds, the EU Horizon 2020 Programme for research and development, the European Fund for Strategic Investment (EFSI), and the Integrated Strategic Energy Technology Plan (the SET-Plan); underlines the need to promote the mobilisation of private funding in the energy efficiency market;*

Or. en

Amendment 53

Damiano Zoffoli, Simona Bonafè, Jo Leinen, Massimo Paolucci

Draft opinion

Paragraph 3 e (new)

Draft opinion

Amendment

3 e. *Emphasises the importance of a more widespread, synergic and integrated use of all available European structural and regional funds and of the EFSI, which should be accessible to all actors, in particular to the SMEs and micro enterprises;*

Or. en

Amendment 54

Damiano Zoffoli, Simona Bonafè, Jo Leinen, Massimo Paolucci

Draft opinion

Paragraph 3 b (new)

Draft opinion

Amendment

3 b. *In this regard stresses the importance of ensuring consumers with comprehensive information on the technical and economic benefits of the new heating and cooling systems currently available on the market and of the advantages, in terms of energy savings, that building restructuring measures could have in reducing energy bills; notes that householders living in remote and isolated locations may require particular attention and unique solutions;*

Or. en

Amendment 55
Kateřina Konečná

Draft opinion
Paragraph 6 c (new)

Draft opinion

Amendment

6 c. *Calls on the Commission to increase awareness of European citizens about new technical solutions how to save energy in their household.*

Or. en

Amendment 56
Damiano Zoffoli, Simona Bonafè, Jo Leinen, Massimo Paolucci

Draft opinion
Paragraph 3 d (new)

Draft opinion

Amendment

3 d. *Asks the European Commission to promote the exchange of good practices between Member States in order to speed the dissemination of innovative products and services and asks for a deeper involvement of local authorities;*

Amendment 57

Marco Affronte, Piernicola Pedicini, Eleonora Evi

Draft opinion

Paragraph 4

Draft opinion

4. *Notes the Union's varying conditions, and* calls on the Commission to promote *technology-neutral instruments* enabling each community to develop cost-efficient solutions to reduce *the carbon intensity of* the heating and cooling sector;

Amendment

4. calls on the Commission to promote *best technologies and policies* enabling each community to develop cost-efficient solutions to reduce *emissions from* the heating and cooling sector.

Or. en

Amendment 58

Damiano Zoffoli, Simona Bonafè, Jo Leinen, Massimo Paolucci

Draft opinion

Paragraph 4

Draft opinion

4. Notes the Union's varying conditions, and calls on the Commission to promote *technology-neutral* instruments enabling each community to develop cost-efficient solutions to reduce the carbon intensity of the heating and cooling sector;

Amendment

4. Notes the Union's varying conditions, and calls on the Commission to promote instruments enabling each community to develop cost-efficient solutions to reduce the carbon intensity of the heating and cooling sector *but at the same time calls for plans to be drawn up with a view to phasing out fossil fuel subsidies and channelling financial resources into energy efficiency projects serving to achieve the EU's goals for decarbonisation of the energy sector by 2050;*

Or. en

Amendment 59

Nicola Caputo

Draft opinion

Paragraph 4

Draft opinion

4. Notes the Union's varying conditions, and calls on the Commission to promote technology-neutral instruments enabling each community to develop cost-efficient solutions to reduce the carbon intensity of the heating and cooling sector;

Amendment

4. Notes the Union's varying conditions, ***considers that the shorter the chain by which primary energy is converted into other forms to generate usable heat, the higher the energy efficiency*** and calls on the Commission to promote technology-neutral instruments enabling each community to develop cost-efficient solutions to reduce the carbon intensity of the heating and cooling sector;

Or. en

Amendment 60

Kateřina Konečná

Draft opinion

Paragraph 4 a (new)

Draft opinion

Amendment

4 a. Recalls that some industries or power stations generate heat or cold as a by-product which could be reused within plants or sold to heat buildings nearby; integrating the production, consumption and reuse of waste cold creates environmental and economic benefits and reduces the primary energy demand for cold; emphasises the importance of use of waste heat and cold and calls on the Commission to promote this use.

Or. en

Amendment 61

Simona Bonafè, Damiano Zoffoli

Draft opinion
Paragraph 4 a (new)

Draft opinion

Amendment

4 a. *Considers that appropriate architectural solutions and urban design principles in the planning of whole residential areas should be the basis for energy-efficient and low-emission construction, taking into account the different climatic conditions within Europe.*

Or. en

Amendment 62
Annie Schreijer-Pierik

Draft opinion
Paragraph 4 a (new)

Draft opinion

Amendment

4 a. *Notes that 72 % of the heating and cooling demand of single family houses is consumed in rural and intermediate areas; notes that households in rural, remote and isolated locations may therefore require particular attention and unique solutions;*

Or. en

Amendment 63
Damiano Zoffoli, Simona Bonafè, Massimo Paolucci

Draft opinion
Paragraph 4 a (new)

Draft opinion

Amendment

4 a. *Stresses the key role that a high level of electrification of the heating and*

cooling sector can have in the decarbonisation both in terms of GHG reductions and as well as in improved urban air quality;

Or. en

Amendment 64
Annie Schreijer-Pierik

Draft opinion
Paragraph 4 b (new)

Draft opinion

Amendment

4 b. Notes that the combination of renewables with relatively low-carbon fuels such as LNG (natural gas) and LPG can often provide an efficient and available heating and cooling solution; thermosolar installations, biogas installations, hybrid boilers, micro-CHP, gas heat pumps and geothermal heat pumps representing some good examples for such combinations;

Or. en

Amendment 65
Kateřina Konečná

Draft opinion
Paragraph 4 b (new)

Draft opinion

Amendment

4 b. Notes that the significant increase of the energy efficiency of buildings could be a key tool for tackling energy poverty.

Or. en

Amendment 66

Elisabetta Gardini

**Draft opinion
Paragraph 5**

Draft opinion

5. Underlines the widespread *availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis;*

Amendment

5. Underlines the widespread *number of approaches to decarbonise the sector and that evidence shows that keeping a variety of options open in order to decarbonise heating is less challenging and potentially lower in cost than taking a narrow and limited approach;*

Or. en

Amendment 67

Marco Affronte, Piernicola Pedicini, Eleonora Evi

**Draft opinion
Paragraph 5**

Draft opinion

5. Underlines the *widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis;*

Amendment

5. Underlines the *need to set up sustainability criteria for solid biomass in order to exploit its potential in accordance with air quality targets (taking into account PMS and other pollutants such as PAHs) and with the principles of closing material loop at the base of the circular economy;*

Or. en

Amendment 68

Margrete Auken

**Draft opinion
Paragraph 5**

Draft opinion

Amendment

5. *Underlines the widespread availability of **solid biomass and the** potential for district heating as a cost-efficient means of **decarbonising** the energy sector while also contributing to security of supply objectives; emphasises **that a European gas crisis would be a heat crisis**;*

5. *Notes the locally varying availability of **waste and residue biomass** potential for district heating as a cost-efficient means of **reducing carbon intensity of** the energy sector while also contributing to security of supply objectives; **notes that biomass is the most widely used renewable energy for heating and cooling today, representing about 90 % of all renewable heating**; emphasises **the need of setting sustainability criteria for bioenergy that take into account the mitigation potential within policy-relevant timeframes**;*

Or. en

Amendment 69

Angélique Delahaye, Michel Dantin, Françoise Grossetête

Draft opinion

Paragraph 5

Draft opinion

5. Underlines the widespread availability of solid biomass and the potential for district heating as **a** cost-efficient means of decarbonising the energy sector **while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis**;

Amendment

5. Underlines the widespread availability of solid **and gaseous** biomass and the potential for **high-efficiency cogeneration** district heating as cost-efficient means of decarbonising the energy sector **provided that sustainability criteria are complied and that it strictly respects the principle of waste hierarchy and so it actually contribute to reducing emissions from the energy sector** ;

Or. en

Amendment 70

Nicola Caputo

Draft opinion

Paragraph 5

Draft opinion

5. Underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis;

Amendment

5. ***Notes that the share of primary energy from fossil fuel in heating and cooling is 75%, thereby accelerating climate change and causing significant harm to environment;*** underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; ***urges the Commission to elaborate a strategy for the sustainable use of bioenergy;*** emphasises that a European gas crisis would be a heat crisis, ***considering that natural gas is becoming ever more important in heating given that the chemical energy stored in it can be converted into heat energy highly efficiently;***

Or. en

Amendment 71
Annie Schreijer-Pierik

Draft opinion
Paragraph 5

Draft opinion

5. Underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis;

Amendment

5. Underlines the widespread availability of ***both fluid and*** solid biomass, ***including manure,*** and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; ***underlines the enormous potential of the use of biogas from manure processing;*** emphasises that a European gas crisis would be a heat crisis;

Or. en

Amendment 72

Damiano Zoffoli, Simona Bonafè, Jo Leinen, Massimo Paolucci

Draft opinion

Paragraph 5

Draft opinion

5. Underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis;

Amendment

5. Underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis; ***notes that, despite the fact that biomass represents today a widely used renewable energy source in the heating sector, the use of certain types of biomass still show several problems including that of generating an increase in GHG, fine particulate matter pollution and that of land use and food production; calls therefore for an environmentally sustainable use of biomass;***

Or. en

Amendment 73

Kateřina Konečná

Draft opinion

Paragraph 5

Draft opinion

5. Underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis;

Amendment

5. Underlines the widespread availability of solid biomass and the potential for district heating as a cost-efficient means of decarbonising the energy sector while also contributing to security of supply objectives; emphasises that a European gas crisis would be a heat crisis; ***calls on the Commission to propose without delay a biomass sustainability policy.***

Amendment 74

Angélique Delahaye, Michel Dantin, Françoise Grossetête

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Underlines that the sustainable use of the various forms of biomass available at local level contributes not only to the Energy Union's objectives (security of supply, energy efficiency, decarbonisation, innovation, competitiveness) and climate policies but also to the achievement of a circular economy.

Or. en

Amendment 75

Ian Duncan, Jadwiga Wiśniewska, Boleslaw G. Piecha

Draft opinion

Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Notes that local communities are the best informed as to what kind of heating and cooling solution benefits them in the most efficient way; encourages the Commission and the Member States to support deployment of innovative solutions which are not yet used on a large scale, such as geothermal energy or biogas;

Or. en

Amendment 76

Annie Schreijer-Pierik

Draft opinion
Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Underlines - while safeguarding technology neutrality depending on the different socio-economic and geographical circumstances in Member States - the enormous potential of innovative energy-neutral homes as a cost-efficient means for decarbonising the construction sector and ordinary households;

Or. en

Amendment 77
Damiano Zoffoli, Simona Bonafè, Massimo Paolucci

Draft opinion
Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Stresses the need to develop specific energy policy for those areas not connected to the natural gas grid, considering restrictions to the use of biomass or solid fuels for heating and the transaction to low carbon and low polluting fuels such as LPG;

Or. en

Amendment 78
Christofer Fjellner

Draft opinion
Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Recalls that there are no sustainability criteria for fossil fuels and that imposing unnecessarily strict sustainability criteria on biomass will create barriers effectively hindering the de-carbonisation of the heating and cooling sector;

Or. en

Amendment 79
Kateřina Konečná

Draft opinion
Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Calls on the Commission to propose without delay a bioenergy sustainability policy, which will take into account the negative impact of bioenergy on the environment, land-use and food production.

Or. en

Amendment 80
Gerben-Jan Gerbrandy

Draft opinion
Paragraph 5 a (new)

Draft opinion

Amendment

5 a. Underlines the importance of increasing the use of renewable heating and cooling technologies, in combination with a strong increase in energy efficiency;

Or. en

Amendment 81
Christofer Fjellner

Draft opinion
Paragraph 5 b (new)

Draft opinion

Amendment

5 b. *Emphasises that waste-to-energy will continue to play a significant role in heating since the alternative often is landfill and the use of fossil fuels, recalling that there is a need to increase recycling;*

Or. en

Amendment 82
Margrete Auken

Draft opinion
Paragraph 6

Draft opinion

Amendment

6. Calls for a review of existing legislation focused on ***safeguarding technology neutrality and cost efficiency so as to ensure that it does not promote or discredit one technology over another – renewable energy produced on-site or near a building should for instance be accounted for when calculating the building's energy performance, regardless of the source.***

6. Calls for a review of existing legislation focused on ***accounting for the biomass carbon mitigation potential within policy-relevant timeframes;***

Or. en

Amendment 83
Marco Affronte, Piernicola Pedicini, Eleonora Evi

Draft opinion
Paragraph 6

Draft opinion

6. Calls for a review of existing legislation *focused on safeguarding technology neutrality and cost efficiency* so as to ensure that *it does not promote or discredit one technology over another – renewable energy produced on-site or near a building should for instance be accounted for when calculating the building's energy performance, regardless of the source.*

Amendment

6. Calls for a review of existing legislation so as to ensure that *environmental externalities are fully integrated in the cost of thermal conditioning processes.*

Or. en

Amendment 84
Kateřina Konečná

Draft opinion
Paragraph 6

Draft opinion

6. Calls for a review of existing legislation focused on *safeguarding technology neutrality* and cost efficiency so as to ensure that *it does not promote or discredit one technology over another – renewable energy produced on-site or near a building should for instance be accounted for when calculating the building's energy performance, regardless of the source.*

Amendment

6. Calls for a review of existing legislation focused on *improving energy savings* and cost efficiency so as to ensure that renewable energy produced on-site or near a building should for instance be accounted for when calculating the building's energy performance, regardless of the source.

Or. en

Amendment 85
Nikos Androulakis

Draft opinion
Paragraph 6

Draft opinion

6. Calls for a review of existing legislation focused on safeguarding

Amendment

6. Calls for a review of existing legislation focused on safeguarding

technology neutrality and cost efficiency so as to ensure that it does not promote or discredit one technology over another – renewable energy produced on-site or near a building should for instance be accounted for when calculating the building's energy performance, regardless of the source.

technology neutrality and cost efficiency so as to ensure that it does not promote or discredit one technology over another – renewable energy produced on-site, *like residential solar panels* or near a building should for instance be accounted for when calculating the building's energy performance, regardless of the source.

Or. en

Amendment 86
Elisabetta Gardini

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6 a. *Welcomes the EU Heating and Cooling Strategy's conclusions that states that "consumers must be at the centre of this strategy" and intends to enable them to use a variety of "modern technologies and innovative solutions to shift to a smart, efficient and sustainable heating and cooling system that can unlock energy and budgetary savings for companies and citizens".*

Or. en

Amendment 87
Tibor Szanyi

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6 a. *Calls for an analysis of the taxation practices on renewable energy sources and district heating; Calls on the Commission to make steps to eliminate burdens of the environmentally*

friendly energy sources in view of an effective Energy Union.

Or. en

Amendment 88
Annie Schreijer-Pierik

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6 a. *Calls on the Commission, Member States and local authorities to address the specific problems of rural buildings that tend to be older, less energy efficient, less beneficial to health and provide lower thermal comfort;*

Or. en

Amendment 89
Angélique Delahaye, Michel Dantin, Françoise Grossetête

Draft opinion
Paragraph 6 a (new)

Draft opinion

Amendment

6 a. *Recalls the contribution of renewable energies to energy supply security in Europe, underlines the high reactivity of hydraulic production to peak demands and blackout risks;*

Or. en

Amendment 90
Kateřina Konečná

Draft opinion
Paragraph 6 b (new)

Draft opinion

Amendment

6 b. *Recalls that a smart building connected to a smart grid allows remote or automatic control of heating and cooling and that the automatic management of energy demand in buildings allows consumers to adjusting the timing of their consumption in response to the price of electricity; therefore calls on the Commission to promote construction of these buildings.*

Or. en

Amendment 91
Annie Schreijer-Pierik

Draft opinion
Paragraph 6 b (new)

Draft opinion

Amendment

6 b. *Calls on the Commission, Member States and local authorities to support so-called 'Green Deals' linking residual or waste heat, geothermal heat and forms of renewable energy production produced and used by agriculture, horticulture, industry, the public sector and ordinary households.*

Or. en

Amendment 92
Annie Schreijer-Pierik

Draft opinion
Paragraph 6 c (new)

Draft opinion

Amendment

6 c. *Calls on the Commission, Member States and local authorities, considering*

the risk of possible future gas supply crises, to fully integrate the production of biogas from manure processing in the implementation of the circular economy;

Or. en