



2016/2058(INI)

30.5.2016

AMENDMENTS

219 - 446

Draft report
Adam Gierek
(PE582.058v01-00)

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

Amendment 219

Rolandas Paksas

Motion for a resolution

Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. *Notes that in order to reduce or eliminate problems caused by particulate matter pollution when heating individual homes, it is necessary to promote individual homes being connected to centralised heating and cooling systems as a matter of urgency; believes that in this way, not only would the costs of maintaining a centralised heating and cooling system be proportionately reduced, but the attractiveness of centralised heating and cooling systems for investment and further development as a form of heating would be increased;*

Or. It

Amendment 220

**Kathleen Van Brempt, Dan Nica, Jeppe Kofod, Edouard Martin, Theresa Griffin,
Miapetra Kumpula-Natri, Miroslav Poche**

Motion for a resolution

Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. *Highlights the possibilities of thermal storage systems to enable heating and cooling generated in a sustainable way to be stored in thermal forms when not needed, and transported and used in cases of peak demand, hereby helping to balance the grid, facilitate the integration of renewables, lower energy production, imports and prices;*

Or. en

Amendment 221
Miroslav Poche, Kathleen Van Brempt

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. Takes the view that a revised Directive on the Energy Performance of Buildings (2010/31/EU) should require EU Member States to introduce an energy labelling system for installed heating appliances to raise consumers' awareness about the efficiency of their installed heating systems;

Or. en

Amendment 222
András Gyürk

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. Believes that more information should be provided to EU citizens on the economic and climate benefits of deploying highly efficient district heating and cooling systems since in certain Member States there is a lack of historical heritage in this respect;

Or. en

Amendment 223
Algirdas Saudargas

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. Underlines the need to develop policies that allows a cost-effective development of district heating networks capable of bringing renewable energy sources, recovered heat into urban areas, where population and energy demands are concentrated;

Or. en

Amendment 224
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. Calls on the Commission to propose measures in its initiatives on Renewable Energy Directive and market design that contribute to a more efficient and flexible energy system by further integrating electricity, heating and cooling systems;

Or. en

Amendment 225
Soledad Cabezón Ruiz, Simona Bonafè

Motion for a resolution
Paragraph 7 a (new)

Motion for a resolution

Amendment

7a. Calls on the Commission to establish a common European framework to promote and provide legal certainty for self-generation, in particular by encouraging and supporting neighbourhood cooperatives that make

use of renewable sources;

Or. es

Amendment 226
Rolandas Paksas

Motion for a resolution
Paragraph 7 b (new)

Motion for a resolution

Amendment

7b. believes that an attractive financing system should be set up for households located outside areas with centralised heating and cooling systems to promote new technologies using renewable energy sources for the purpose of heating to households;

Or. lt

Amendment 227
Kathleen Van Brempt, Miroslav Poche, Jeppe Kofod, Edouard Martin, Theresa Griffin

Motion for a resolution
Paragraph 7 b (new)

Motion for a resolution

Amendment

7b. Calls for the development of a heating and cooling energy demand indicator for buildings at a national level;

Or. en

Amendment 228
Kathleen Van Brempt, Theresa Griffin, Edouard Martin, Miroslav Poche, Miapetra Kumpula-Natri, Jeppe Kofod, Martina Werner

Motion for a resolution
Paragraph 7 c (new)

Motion for a resolution

Amendment

7c. *Calls for a strategic approach to reduce the CO2 emissions of industrial heating and cooling demands, by improving efficiency of the processes, substituting fossil fuels by sustainable sources and integrating industries in the surrounding thermal energy environment;*

Or. en

Amendment 229

Kathleen Van Brempt, Theresa Griffin, Edouard Martin, Jeppe Kofod, Flavio Zanonato, Miroslav Poche, Martina Werner

Motion for a resolution

Paragraph 7 d (new)

Motion for a resolution

Amendment

7d. *Highlights the huge potential of clustering energy and resource flows to save primary energy use, especially in industrial environments, where, according to the cascading system, excess heat or cold from one process can be re-used in another one which demands less extreme temperatures, and, where possible, up to heating and cooling buildings via district heating systems;*

Or. en

Amendment 230

Rolandas Paksas

Motion for a resolution

Paragraph 8

Motion for a resolution

Amendment

8. Notes that outdated heating plants with low energy efficiency should be

8. Notes that outdated heating plants with low energy efficiency should be

replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels;

replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels, *as well as renewable or waste energy sources; feels that cogeneration plants should be combined with centralised heating and heat accumulation;*

Or. It

Amendment 231
Edward Czesak

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels *or heat from energy-efficient heating and cooling systems;*

Or. pl

Amendment 232
Bronis Ropé

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use, *in order of preference, fuels obtained from renewable sources*, natural gas or other green fuels;

Or. It

Amendment 233
András Gyürk

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or *other green fuels*;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by *efficient district heating or by renewable sources or by* small, environmentally-friendly CHP plants that use natural gas or *renewable energy*;

Or. en

Amendment 234
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by *small, environmentally-friendly* CHP plants *that use natural gas or other green fuels*;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by *efficient renewable based* CHP plants *while following the Sustainability Biomass Policy and excluding municipal solid waste as fuel*;

Or. en

Amendment 235
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 8

Motion for a resolution

Amendment

8. Notes that outdated **heating** plants **with** low energy efficiency should be replaced by small, environmentally-friendly CHP plants **that use natural gas or other green fuels**;

8. Notes that outdated **energy** plants, **often suffering from** low energy efficiency, should be **urgently** replaced by small, environmentally-friendly CHP plants **integrated with renewable energy heat pumps**;

Or. en

Amendment 236

Kathleen Van Brempt, Miapetra Kumpula-Natri, Miroslav Poche, Edouard Martin, Jeppe Kofod, Theresa Griffin, Martina Werner

Motion for a resolution Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by **small**, environmentally-friendly **CHP plants that use natural gas or other green fuels**;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by environmentally-friendly **alternatives**;

Or. en

Amendment 237

Patrizia Toia

Motion for a resolution Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by **small, environmentally-friendly** CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by **energy-efficient** CHP plants that use natural gas or other green fuels;

Or. it

Amendment 238
Cornelia Ernst

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by *small, environmentally-friendly CHP plants that use natural gas or other green fuels*;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by *the best available alternative solutions fully compatible with EU's decarbonisation's objectives*;

Or. en

Amendment 239
Algirdas Saudargas, Jerzy Buzek, Bendt Bendtsen, Seán Kelly, Pilar del Castillo Vera

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by *small, environmentally-friendly CHP plants that use natural gas or other green fuels*;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by *the best available alternative solutions fully compatible with EU s decarbonisation objectives*;

Or. en

Amendment 240
Anneleen Van Bossuyt

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, *environmentally-friendly CHP plants that use natural gas*

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, *highly efficient heating and cooling solutions that use green*

or other green fuels;

energy sources;

Or. en

Amendment 241

Françoise Grossetête, Anne Sander

Motion for a resolution

Paragraph 8

Motion for a resolution

8. Notes that *outdated* heating *plants* with low energy efficiency should be replaced by *small, environmentally-friendly* CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that *obsolete* heating *systems* with low energy efficiency should be replaced by *environmentally friendly* CHP plants that use natural gas or other green fuels *such as biogas*;

Or. fr

Amendment 242

José Blanco López

Motion for a resolution

Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels *and that the modernization of old-fashioned gas appliances by high efficiency ones would bring economic and environmental benefits due to large energy efficiency gains, avoiding increasing the capacity of the power grid to face electricity demand for heating*;

Or. en

Amendment 243
Adam Gierek

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels ***or by heat from large energy-efficient heating systems and CHP plants and from cooling installations;***

Or. pl

Amendment 244
Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by ***small***, environmentally-friendly CHP plants ***that use natural gas or other green*** fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by ***more*** environmentally-friendly CHP plants ***making use of renewable*** fuels;

Or. en

Amendment 245
Patrizia Toia

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution

Amendment

8a. Notes that heating and cooling is a very local sector, since the availability and infrastructure, as well as the demand for

heat, essentially depends on the local circumstances;

Or. en

Amendment 246
Nikolay Barekov

Motion for a resolution
Paragraph 8

Motion for a resolution

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas or other green fuels;

Amendment

8. Notes that outdated heating plants with low energy efficiency should be replaced by small, environmentally-friendly CHP plants that use natural gas, ***renewable energies*** or other green fuels;

Or. bg

Amendment 247
Edward Czesak

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution

Amendment

8a. Agrees with the Heat Strategy that the economic potential of CHP is not exploited and Calls on the Commission as well as Member States to further promote high efficiency Cogeneration and District Heating, in line with Communication 2015 (572) on the State of the Energy Union;

Or. en

Amendment 248
Rolandas Paksas

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution

Amendment

8a. Feels that trigeneration (joint production of electricity, heating and cooling) should also be expanded by introducing centralised energy supply networks;

Or. It

Amendment 249
Gerben-Jan Gerbrandy

Motion for a resolution
Paragraph 8 a (new)

Motion for a resolution

Amendment

8a. Takes the view that a system level approach on cooling is required, including for the built environment and other activities, such as transport refrigeration;

Or. en

Amendment 250
Cornelia Ernst

Motion for a resolution
Paragraph 9

Motion for a resolution

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems **for heating (winter) and cooling (summer) using heat pumps could become very important;**

9. Expresses the view that, in Europe's temperate climate zone, **thermal needs require particular need of cooling or reverse systems (providing heating and cooling at the same time, such as heat pumps), consequently, calls on the Commission and Member States to adapt**

existing legislation and support mechanisms in order to recognize and promote efficient, renewable and low-carbon solutions fulfilling various thermal needs;

Or. en

Amendment 251

Bendt Bendtsen, Seán Kelly, Luděk Niedermayer

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Expresses the view that, *in* Europe's temperate climate zone, reverse systems *for* heating (*winter*) and cooling (*summer*) *using heat pumps could become very important;*

Amendment

9. Expresses the view that Europe's temperate climate zone *generates a need for* reverse systems, *such as heat pumps, to provide both* heating and cooling; *therefore calls on the Commission and Member States to provide adequate aligned calculation methods and to share best practices for support mechanisms to support efficient, sustainable and low-carbon solutions to various thermal needs;*

Or. en

Amendment 252

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps *could* become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using *efficient* heat pumps *that are based on RES electricity will* become very

important; *urges to ban electric space heaters as the main heating system since it is extremely costly for the user due to their bad energy efficiency performance;*

Or. en

Amendment 253
Patrizia Toia

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (*winter*) and cooling (*summer*) using heat pumps could become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating *and cooling such as district heating and cooling planning in the urban design, and individual market-based solutions such as* using heat pumps could become very important;

Or. en

Amendment 254
Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps *as well as hybrid heat generation* could become very important *in decarbonisation of buildings;*

Or. en

Amendment 255
Adam Gierek

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, **reverse** systems for heating (*winter*) and cooling (*summer*) **using** heat pumps could become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, **combined** systems for heating and cooling, **as well as reversible** heat pumps **and/or integrated district heating and cooling systems** could become very important;

Or. pl

Amendment 256
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using **efficient** heat pumps could become very important;

Or. en

Amendment 257
Barbara Kappel

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using **gas and electric** heat pumps could

important;

become very important;

Or. en

Amendment 258

Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution Paragraph 10

Motion for a resolution

10. Takes the view that the Member States should explore the *possibility* of using *heat from geothermal waters directly or from other sources indirectly, for example the heat contained in deep-sea mines* which could, *with the help of huge heat pumps*, heat whole towns, not just individual buildings;

Amendment

10. Takes the view that the Member States should explore the *potential* of using *various sources of geothermal heat* which could heat whole towns, not just individual buildings;

Or. en

Amendment 259

András Gyürk

Motion for a resolution Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very important *under proper conditions (if low temperature heating and/or suitable heat source temperature is available)*;

Or. en

Amendment 260
Pilar del Castillo Vera

Motion for a resolution
Paragraph 9

Motion for a resolution

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very important;

Amendment

9. Expresses the view that, in Europe's temperate climate zone, reverse systems for heating (winter) and cooling (summer) using heat pumps could become very important ***due to their efficiency and flexibility to integrate renewable energy sources***;

Or. en

Amendment 261
Pilar del Castillo Vera

Motion for a resolution
Paragraph 9 a (new)

Motion for a resolution

Amendment

9a. Encourages the Commission to closely monitor compliance with EU legislation on fluorinated greenhouse gases to reduce the emission of such gases to the atmosphere; asks the Commission to ensure that the use of alternative refrigerants is safe, cost-effective and in line with other EU objectives in the fields of environment, climate change and energy efficiency;

Or. en

Amendment 262
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 10

Motion for a resolution

Amendment

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

deleted

Or. en

Amendment 263

Dario Tamburrano, David Borrelli

Motion for a resolution

Paragraph 10

Motion for a resolution

Amendment

10. Takes the view that the Member States should explore the possibility of using heat **from** geothermal waters directly or from other sources indirectly, **for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;**

10. Takes the view that the Member States should explore the possibility of using heat **only from low enthalpy** geothermal **resources using** waters directly or from other sources indirectly;

Or. en

Amendment 264

Miapetra Kumpula-Natri

Motion for a resolution

Paragraph 10

Motion for a resolution

Amendment

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly

or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns ***through existing and new district heating networks***, not just individual buildings;

Or. en

Amendment 265
Cornelia Ernst

Motion for a resolution
Paragraph 10

Motion for a resolution

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

Amendment

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters ***or recovered energy from industrial processes*** directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

Or. en

Amendment 266
Algirdas Saudargas, Jerzy Buzek, Pilar del Castillo Vera

Motion for a resolution
Paragraph 10

Motion for a resolution

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just

Amendment

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters ***or recovered energy from industrial process*** directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge

individual buildings;

heat pumps, heat whole towns, not just individual buildings;

Or. en

Amendment 267
András Gyürk

Motion for a resolution
Paragraph 10

Motion for a resolution

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

Amendment

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly or from other sources indirectly, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings *if suitable district heating infrastructure is available or it will be developed*;

Or. en

Amendment 268
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 10 a (new)

Motion for a resolution

10a. Stresses the role of technologies capable of reducing both thermal energy demand and GHG emissions, like the low enthalpy geothermal energy, renewable-based heating/cooling districts, small-scale tri- or co-generating power plants burning natural gas and/or biomethane, or their combination;

Or. en

Amendment 269
Adam Gierek

Motion for a resolution
Paragraph 10

Motion for a resolution

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly **or** from other **sources indirectly**, for example the heat contained in deep-sea mines which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

Amendment

10. Takes the view that the Member States should explore the possibility of using heat from geothermal waters directly **and** from other **lower-temperature heat sources**, for example the heat contained in deep-sea mines **for heating (cooling)**, which could, with the help of huge heat pumps, heat whole towns, not just individual buildings;

Or. pl

Amendment 270
Dan Nica

Motion for a resolution
Paragraph 10 a (new)

Motion for a resolution

10a. Encourages Members States to put in place fiscal and financial mechanisms for the local public authorities, in order to encourage the use of district heating and cooling;

Amendment

10a. Encourages Members States to put in place fiscal and financial mechanisms for the local public authorities, in order to encourage the use of district heating and cooling;

Or. en

Amendment 271
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 11

Motion for a resolution

Amendment

11. Expresses the view that heat storage facilities, *for example in the form of thermally insulated water tanks that use electric resistance to stay hot overnight (outside the hours of peak demand) and thereby improve the quality of electricity supply, could play a very important role in heating;*

11. Expresses the view that heat storage facilities, *could play a very important role; as heat production can be stored rather than curtailed if not needed at certain moments;*

Or. en

Amendment 272

Miroslav Poche, Dan Nica, Kathleen Van Brempt

Motion for a resolution

Paragraph 11

Motion for a resolution

Amendment

11. Expresses the view that heat storage facilities, for example in the form of thermally insulated water tanks that use electric resistance *to stay hot overnight (outside the hours of peak demand) and thereby improve the quality of electricity supply, could play a very important role in heating;*

11. Expresses the view that heat storage facilities, for example in the form of thermally insulated water tanks that *e.g. use electric resistance can help to switch electricity demand* outside the hours of peak demand *and in doing so, facilitate the integration of renewable electricity in the grid;*

Or. en

Amendment 273

Adam Gierek

Motion for a resolution

Paragraph 11

Motion for a resolution

Amendment

11. Expresses the view that heat storage facilities, for example in the form of thermally insulated water tanks that use electric resistance to stay hot overnight

11. Expresses the view that heat storage facilities, for example in the form of thermally, *environmentally* insulated water tanks that use electric resistance to stay hot

(outside the hours of peak demand) *and thereby* improve the *quality* of electricity *supply*, could play a very important role in heating;

overnight (outside the hours of peak demand) *or heat storage facilities installed in CHP plants which* improve the *performance of the electricity system and take advantage of daily price fluctuations in the electricity market*, could play a very important role in heating;

Or. pl

Amendment 274
Edward Czesak

Motion for a resolution
Paragraph 11

Motion for a resolution

11. Expresses the view that heat storage facilities, for example in the form of thermally insulated water tanks that use electric resistance to stay hot overnight (outside the hours of peak demand) *and thereby* improve the *quality* of electricity *supply*, could play a very important role in heating;

Amendment

11. Expresses the view that heat storage facilities, for example in the form of thermally insulated water tanks that use electric resistance to stay hot overnight (outside the hours of peak demand) *or heat storage facilities installed in CHP plants which* improve the *performance of the electricity system and take advantage of daily price fluctuations in the electricity market*, could play a very important role in heating;

Or. pl

Amendment 275
Patrizia Toia

Motion for a resolution
Paragraph 11 a (new)

Motion for a resolution

11a. Points out that hybrid heating systems, which provide heat from two or more energy sources, can facilitate the growth of the share of renewable energy

Amendment

sources used for heating, in particular for existing buildings in which hybrid heating systems can easily be installed;

Or. it

Amendment 276
Adam Gierek

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that ***the waste*** heat obtained ***through cogeneration*** in the production of electric energy in conventional power plants and from residential buildings using ***recuperative*** methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that heat obtained in the production of electric energy in conventional power plants and ***discharged into the environment and heat*** from ***the ventilation systems of*** residential buildings using ***recuperation*** methods ***and their replacement by efficient heating solutions which exploit the potential of locally available renewable heat sources (biomass and geothermal and solar energy)*** should play a much greater role in heating and cooling than before;

Or. pl

Amendment 277
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that ***the*** waste heat ***obtained through cogeneration in the production of electric energy in conventional power plants and from*** residential buildings ***using recuperative methods should play a much greater role***

Amendment

12. Takes the view that ***that avoiding industrial waste heat and cold is an important aspect of increasing energy efficiency and fully seizing the opportunities of a circular economy; stresses that industries and nearby***

in heating and cooling than before;

residential *or service* buildings *should be encouraged to cooperate (notably through industrial parks) and share their energy production and needs;*

Or. en

Amendment 278
András Gyürk

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from *well isolated* residential buildings using recuperative methods *for recovering heat from ventilation system* should play a much greater role in heating and cooling than before;

Or. en

Amendment 279
Pilar del Castillo Vera

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat obtained through *high efficiency* cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods *as well as microgeneration* should play a much greater role in heating and cooling than before;

Amendment 280
Dan Nica, Kathleen Van Brempt

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat **and cold** obtained through **industrial processes and** cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment 281
Algirdas Saudargas, Jerzy Buzek

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat **or cold** obtained through **industrial process and** cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment 282
José Blanco López, Soledad Cabezón Ruiz

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods ***as well as microcogeneration*** should play a much greater role in heating and cooling than before;

Or. en

Amendment 283
Rolandas Paksas

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before; ***feels that waste energy should be integrated into heating and cooling networks, as it would reduce primary energy use and have positive economic and environmental effects;***

Or. It

Amendment 284
Cornelia Ernst

Motion for a resolution
Paragraph 12

Motion for a resolution

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before;

Amendment

12. Takes the view that the waste heat obtained through cogeneration in the production of electric energy in conventional power plants and from residential buildings using recuperative methods should play a much greater role in heating and cooling than before; ***if waste heat cannot directly be re-used, the application of heat pump technologies should be considered before discharging waste heat into the environment;***

Or. en

Amendment 285
Gerben-Jan Gerbrandy

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution

12a. Stresses that public funding or public ownership of district heating infrastructure should not contribute to a costly lock-in in high-carbon infrastructure. Calls on national, regional and local authorities to scrutinise public financial support for district heating infrastructure in the light of the EU's objective of 80 to 95% greenhouse gas reductions by 2050 compared to 1990 levels and an orderly transition of the energy economy.

Or. en

Amendment 286
Edward Czesak

Motion for a resolution

Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. *Calls on the Commission to assess seriously Member States' Comprehensive Assessments of the potential for cogeneration and district heating due under Article 14 of EED, so that these plans reflect the true economic potential of these solutions and provide a sound basis for policies in line with EU objectives;*

Or. en

Amendment 287

Dario Tamburrano, David Borrelli

Motion for a resolution

Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. *Recalls that energy efficiency and demand reduction measures, especially when applied to residential and industry facilities, offer one of the highest and fastest financial returns among any possible investments that can be done in the energy sector;*

Or. en

Amendment 288

Dan Nica, Kathleen Van Brempt

Motion for a resolution

Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. *Stresses that industrial waste heat and cold should be recognized and encouraged through research.*

Recognition and valorisation of the sector would be a great opportunity for investing and innovating in this technique.

Or. en

Amendment 289
Patrizia Toia

Motion for a resolution
Paragraph 12 a (new)

Motion for a resolution

Amendment

12a. Believes that hot water storage is a form of energy storage which can help incorporate renewable energy sources into heating systems;

Or. it

Amendment 290
Patrizia Toia

Motion for a resolution
Paragraph 12 b (new)

Motion for a resolution

Amendment

12b. Takes the view that integrating the production, consumption and reuse of waste cold creates environmental and economic benefits and reduces the primary energy demand for cold;

Or. it

Amendment 291
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 13

Motion for a resolution

13. Calls on the Member States to use legal and economic means to ***accelerate the gradual phasing-out of outdated solid-fuel furnaces with an energy efficiency level of less than 80%***;

Amendment

13. Calls on the Member States to use legal and economic means to ***phase -out outdated solid-fuel furnaces and to substitute them with efficient and sustainable heating and cooling systems that tap in the potential of locally available and sustainable renewable energy sources (e.g. sustainable biomass, geothermal and solar)***; ***urges the Commission and Member States to ban co-firing of coal and renewable sources***;

Or. en

Amendment 292

Kathleen Van Brempt, Flavio Zanonato, Edouard Martin, Theresa Griffin, Miroslav Poche, Martina Werner

Motion for a resolution

Paragraph 13

Motion for a resolution

13. Calls on the Member States to use legal and economic means to accelerate the gradual phasing-out of outdated solid-fuel furnaces with an energy efficiency level of less than 80%;

Amendment

13. Calls on the Member States to use legal and economic means to accelerate the gradual phasing-out of outdated solid-fuel furnaces with an energy efficiency level of less than 80% ***and to replace them, where possible, with efficient, sustainable heating systems at local level (such as district heating systems) or micro level (such as geothermal and solar systems)***;

Or. en

Amendment 293

Dario Tamburrano, David Borrelli

Motion for a resolution

Paragraph 13

Motion for a resolution

13. Calls on the Member States to use legal and economic means to accelerate the gradual phasing-out of **outdated** solid-fuel furnaces with an **energy** efficiency level of **less** than 80%;

Amendment

13. Calls on the Member States to use legal and economic means to accelerate the gradual phasing-out of **plants with poor energy efficiency, like waste incineration plants**, solid-fuel furnaces with an efficiency level **lower** than 80%, **and other, with a view to decommissioning them as soon as possible**;

Or. en

Amendment 294
Nikolay Barekov

Motion for a resolution
Paragraph 13

Motion for a resolution

13. Calls on the Member States to use legal and economic means to accelerate the **gradual** phasing-out of outdated solid-fuel furnaces with an energy efficiency level of less than 80%;

Amendment

13. Calls on the Member States to use legal and economic means to accelerate the **stepwise** phasing-out of outdated solid-fuel furnaces with an energy efficiency level of less than 80%;

Or. bg

Amendment 295
Jeppe Kofod

Motion for a resolution
Paragraph 13 a (new)

Motion for a resolution

Amendment

13a. Calls on the Member States to set ambitious new goals for their national building renovation strategies in time for the 2017 revision and to ensure full implementation of current strategies; stresses that these strategies should lead to a European building stock consisting of

*nearly zero-energy buildings by 2050;
underscores the importance of ensuring
sufficient access to financing and
investment capabilities in this regard;*

Or. en

Amendment 296
Patrizia Toia

Motion for a resolution
Paragraph 13 a (new)

Motion for a resolution

Amendment

13a. Points out that the introduction of smart heating systems can help consumers better to understand their energy consumption and to renew inefficient heating systems, promoting energy savings;

Or. it

Amendment 297
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 13 a (new)

Motion for a resolution

Amendment

13a. Stresses the need to facilitate a transition towards renewable heating devices and to ensure adequate financial support and enhanced information and assistance for citizens, targeting in particular those at risk of energy-poverty;

Or. en

Amendment 298

Jeppe Kofod

**Motion for a resolution
Paragraph 13 b (new)**

Motion for a resolution

Amendment

13b. Reminds the Commission and the Member States that 75 % of the existing European building stock is energy inefficient, and that estimates show that 90 % of these buildings will still be in use by 2050; highlights therefore the urgent need to specifically target these buildings for deep renovation;

Or. en

**Amendment 299
Jeppe Kofod**

**Motion for a resolution
Paragraph 13 c (new)**

Motion for a resolution

Amendment

13c. Stresses the importance of a holistic and integrated approach to building renovation, RES integration and energy efficiency projects and initiatives as no building should be perceived as an energy island; highlights the immense potential of integrating energy systems and launching industrial symbioses;

Or. en

**Amendment 300
Jeppe Kofod**

**Motion for a resolution
Paragraph 13 d (new)**

Motion for a resolution

Amendment

13d. Calls for substantially increased integration between the thermal and the electric power sector, with a strong regard to ensuring efficient transport of energy between the two; stresses that access to adequate heating, cooling and ventilation is important to ensure proper quality of life for European citizens;

Or. en

Amendment 301
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 14

Motion for a resolution

14. 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;**

Amendment

14. Calls on the Commission to **fully respect the principle of waste hierarchy when developing the announced initiative on a 'Waste to energy' programme and any other energy recovery actions;**

Or. en

Amendment 302
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 14

Motion for a resolution

14. **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;**

Amendment

14. **Urges** the Commission to draw up a plan to promote the sustainable use of organic waste **only for biogas generation in order not to destroy valuable resources or undermine the circular economy approach and the necessity to waste less; commands that any type of waste used to produce energy is assessed**

in consistency with the waste hierarchy and allowed in cases where it is the only alternative to land-filling, in order to avoid a further technology lock-in;

Or. en

Amendment 303
Barbara Kappel

Motion for a resolution
Paragraph 14

Motion for a resolution

14. 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;

Amendment

14. 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 *whereby the principle of Cascadian usage shall be duly taken into account;*

Or. en

Amendment 304
András Gyürk

Motion for a resolution
Paragraph 14

Motion for a resolution

14. 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;

Amendment

14. Calls on the Commission to draw up a plan to promote the sustainable use of organic waste for heating and cooling *connected to district heating and cooling systems* as part of the 'Waste to energy' programme;

Or. en

Amendment 305

Patrizia Toia

Motion for a resolution

Paragraph 14

Motion for a resolution

14. 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;

Amendment

14. Calls on the Commission to draw up a plan to promote ***and exploit the potential contribution of*** the sustainable use of organic waste for heating and cooling as part of the 'Waste to energy' programme;"

Or. en

Amendment 306

Simona Bonafè, Flavio Zanonato

Motion for a resolution

Paragraph 14 a (new)

Motion for a resolution

Amendment

14a. 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 307

Edward Czesak

Motion for a resolution

Paragraph 14 a (new)

Motion for a resolution

Amendment

14a. Calls on the Member States to apply heating sector regulatory policy in such a way as to enable the development

of energy-efficient heating and cooling systems;

Or. pl

Amendment 308
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 14 a (new)

Motion for a resolution

Amendment

14a. Urges the Commission to put forward a legislative proposal with concrete targets for reducing energy consumption in residential and non-residential buildings;

Or. en

Amendment 309
Adam Gierek

Motion for a resolution
Paragraph 15

Motion for a resolution

Amendment

15. Calls on the Member States to take administrative steps to **ban** the **use** of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

15. Calls on the Member States to take administrative steps to **order** the **phasing-out** of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of **urban** agglomerations **and to replace them with efficient installations using fuels under controlled conditions;**

Or. pl

Amendment 310
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Calls on the Member States to **take administrative steps to ban the use of** outdated furnaces that generate '**low height**' emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

Amendment

15. Calls on the Member States to **urgently decommission** outdated furnaces that generate **high** emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of **urban** agglomerations;

Or. en

Amendment 311
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate '**low height**' emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

Amendment

15. Calls on the Member States to take **legal and** administrative steps to ban the use of outdated furnaces that generate **high** emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations **and to channel investment in favour of efficient renewable solutions instead**;

Or. en

Amendment 312
José Blanco López, Soledad Cabezón Ruiz

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Calls on the Member States to take administrative steps to ban the use of **outdated** furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

Amendment

15. Calls on the Member States to take administrative steps to ban the use of furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot, **particulate matter** and fly ash dispersed by convection – in the heating of agglomerations;

Or. en

Amendment 313
Edward Czesak

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

Amendment

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of **urban** agglomerations;

Or. pl

Amendment 314
Morten Helveg Petersen, Carolina Punset, Fredrick Federley, Lieve Wierinck

Motion for a resolution
Paragraph 15

Motion for a resolution

15. Calls on the Member States to take administrative steps to **ban** the use of

Amendment

15. Calls on the Member States to take administrative steps to **phase out** the use of

outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

Or. en

Amendment 315

Kathleen Van Brempt, Dan Nica, Theresa Griffin, Edouard Martin, Jeppe Kofod, Miroslav Poche, Martina Werner

Motion for a resolution

Paragraph 15

Motion for a resolution

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations;

Amendment

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from incomplete combustion, NO_x, soot and fly ash dispersed by convection – in the heating of agglomerations **and to promote the use of sustainable and efficient alternatives**;

Or. en

Amendment 316

Algirdas Saudargas

Motion for a resolution

Paragraph 15

Motion for a resolution

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate ‘low height’ emissions – releasing into the atmosphere natural pyrolytic gases from

Amendment

15. Calls on the Member States to take administrative steps to ban the use of outdated furnaces that generate 'low height' emissions – releasing into the atmosphere natural pyrolytic gases from incomplete

incomplete combustion, NOx, soot and fly ash dispersed by convection – in the heating of agglomerations;

combustion, NOx, soot and fly ash dispersed by convection – in the heating of agglomerations ***and create sufficient incentives to replace them;***

Or. en

Amendment 317
Patrizia Toia

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution

Amendment

15a. Points out that 85% of energy consumption in a building is used for heating and hot water and that consumers should therefore be allowed to accelerate the modernisation of their old, inefficient heating systems, with the aim of obtaining energy savings of at least 20% with existing technologies, including heating systems from renewable sources;

Or. it

Amendment 318
Patrizia Toia, Mercedes Bresso

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution

Amendment

15a. Calls on Member States to take measures to phase out energy-inefficient furnaces and boilers using heating oil and coal that currently fuel over half of the building stock in the countryside; takes the view that energy provision should stem from lower carbon and renewable sources;

Amendment 319
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution

Amendment

15a. Calls for a review of existing legislation so as to ensure that externalities are fully integrated in the cost assessment and accounting of thermal conditioning processes, and that accordingly renewables could be fully exploited as primary thermal energy source;

Or. en

Amendment 320
Edward Czesak

Motion for a resolution
Paragraph 15 a (new)

Motion for a resolution

Amendment

15a. Calls on the Commission and Member States to close the regulatory gap stemming from the Ecodesign Directive and Medium Combustion Plants Directive which results in emissions leakage to installations below 1 MW which fall outside of the scope of the Directives;

Or. en

Amendment 321
Morten Helveg Petersen, Carolina Punset, Lieve Wierinck

Motion for a resolution

Paragraph 16

Motion for a resolution

16. Takes the view that the Member States should, as a matter of urgency, take steps towards phasing out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere ***carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.)***; Takes the view ***that the use*** of wood-burning fireplaces in densely built towns and cities ***should be banned***;

Amendment

16. Takes the view that the Member States should, as a matter of urgency, take steps towards phasing out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere ***a variety of harmful substances***; Takes the view ***Member States should where possible encourage the phase out*** of wood-burning fireplaces ***used as the primary source of domestic heating*** in densely built towns and cities, ***and facilitate their replacement with modern efficient, environmentally and health friendly alternatives in conjunction with awareness raising on potential health risks and best practices related to wood fires***;

Or. en

Amendment 322

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 16

Motion for a resolution

16. Takes the view that the Member States should, as a matter of urgency, ***take steps towards phasing*** out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); Takes the view that the use of wood-burning fireplaces in densely built towns and cities should be banned;

Amendment

16. Takes the view that the Member States should, as a matter of urgency ***phase*** out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); Takes the view that the use of ***old and inefficient*** wood-burning fireplaces in densely built towns and cities should be banned ***and replaced by efficient***

renewable solutions; stresses the risks of a lock-in effect bearing in mind that newly installed devices tend to last for more than 25 years on average;

Or. en

Amendment 323
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Takes the view that the Member States should, as a matter of urgency, take steps towards phasing out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); Takes the view that the use of wood-burning fireplaces in densely built towns and cities should be **banned**;

Amendment

16. Takes the view that the Member States should, as a matter of urgency, take steps towards phasing out low-temperature furnaces used for the combustion of solid **fossil** fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); Takes the view that the use of **old and inefficient** wood-burning fireplaces in densely built towns and cities **with bad air quality** should be **gradually replaced by cleaner fireplaces or other more efficient alternatives for heating**;

Or. en

Amendment 324
Nikolay Barekov

Motion for a resolution
Paragraph 16

Motion for a resolution

16. Takes the view that the Member States should, as a matter of urgency, take steps towards **phasing out** low-temperature

Amendment

16. Takes the view that the Member States should, as a matter of urgency, take steps towards **decommissioning** low-

furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); Takes the view that the use of wood-burning fireplaces in densely built towns and cities should be banned;

temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); Takes the view that the use of wood-burning fireplaces in densely built towns and cities should be banned;

Or. bg

Amendment 325

Henna Virkkunen, Herbert Reul

Motion for a resolution

Paragraph 16

Motion for a resolution

16. Takes the view that the Member States should, as a matter of urgency, take steps towards phasing out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.); ***Takes the view that the use of wood-burning fireplaces in densely built towns and cities should be banned;***

Amendment

16. Takes the view that the Member States should, as a matter of urgency, take steps towards phasing out low-temperature furnaces used for the combustion of solid fuels and organic waste, which, during the combustion process, release into the atmosphere carcinogenic substances such as polycyclic aromatic hydrocarbons (benzopyrene, etc.);

Or. en

Amendment 326

Patrizia Toia

Motion for a resolution

Paragraph 16 a (new)

Motion for a resolution

Amendment

16a. Calls on the Commission to submit

a specific proposal to promote the renewal of heating systems in existing buildings in its revision of the Energy Performance of Buildings Directive (2010/31/EU);

Or. it

Amendment 327
Patrizia Toia

Motion for a resolution
Paragraph 16 b (new)

Motion for a resolution

Amendment

16b. *Calls on the Commission to give priority to the modernisation and renovation of buildings and their heating systems in its revision of the Energy Performance of Buildings Directive (2010/31/EU);*

Or. it

Amendment 328
Patrizia Toia

Motion for a resolution
Paragraph 16 c (new)

Motion for a resolution

Amendment

16c. *Considers it important, in the Commission's revision of the Energy Performance of Buildings Directive (2010/31/EU), for it to ask Member States to introduce a labelling system for already installed heating equipment, to increase consumers' awareness of how efficient their installed heating systems are;*

Or. it

Amendment 329
Anneleen Van Bossuyt

Motion for a resolution
Paragraph 17

Motion for a resolution

Amendment

17. Takes the view that heat exchangers can play a vital role in local cooling via the expansion of liquefied natural gas in LNG terminals;

deleted

Or. en

Amendment 330
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 17

Motion for a resolution

Amendment

17. Takes the view that heat exchangers can play a vital role in local cooling via the expansion of liquefied natural gas in LNG terminals;

17. Calls on the Commission to develop a definition and a methodology to calculate renewable cooling considering that demand for cooling is on the rise in Europe;

Or. en

Amendment 331
Adam Gierek

Motion for a resolution
Paragraph 17

Motion for a resolution

Amendment

17. Takes the view that heat exchangers can play a vital role in local cooling via the expansion of liquefied natural gas in LNG terminals;

17. Takes the view that *the increasing need for cooling requires further consideration of this issue, including an integrated approach to the entire cooling chain –from demand for industrial*

cooling from high temperatures to cooling for households and cooling requirements in the food industry

Or. pl

Amendment 332

Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution

Paragraph 17

Motion for a resolution

17. Takes the view that heat exchangers can play a vital role in local cooling *via the expansion of liquefied natural gas in LNG terminals*;

Amendment

17. Takes the view that heat exchangers can play a vital role in local cooling *by harnessing the cooling effects of industrial processes, and recommends the better integration of thermal networks to maximize such benefits*;

Or. en

Amendment 333

Ivan Jakovčić

Motion for a resolution

Paragraph 17

Motion for a resolution

17. Takes the view that heat exchangers can play a vital role in local cooling via the expansion of liquefied natural gas in LNG terminals;

Amendment

17. Takes the view that heat exchangers can play a vital role in local *and regional* cooling via the expansion of liquefied natural gas in LNG terminals;

Or. hr

Amendment 334

András Gyürk

Motion for a resolution
Paragraph 17

Motion for a resolution

17. Takes the view that heat exchangers can play a vital role in local cooling via the expansion of liquefied natural gas *in LNG terminals*;

Amendment

17. Takes the view that heat exchangers can play a vital role in local cooling via the expansion of liquefied natural gas (*LNG*);

Or. en

Amendment 335
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 17 a (new)

Motion for a resolution

Amendment

17a. Notes that quality data available for consumers and authorities is a precondition to making rational choices about energy efficiency and heating solutions; Highlights the importance of extending possibilities offered by digitalization to the heating and cooling sector; calls on the Commission to develop a definition and methodology to calculate renewable cooling;

Or. en

Amendment 336
Anneleen Van Bossuyt

Motion for a resolution
Paragraph 18

Motion for a resolution

18. *Considers that heat exchangers can play a vital role in cooling in the food industry in transferring heat to natural bodies of water (free cooling) located*

deleted

Amendment

close to sites at which products are stored, the temperature of which does not exceed 6°C throughout the year;

Or. en

Amendment 337

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 18

Motion for a resolution

18. Considers that *heat exchangers can play a vital role in cooling in the food industry in transferring heat to natural bodies of water (free cooling) located close to sites at which products are stored, the temperature of which does not exceed 6°C throughout the year;*

Amendment

18. Considers that *renewable technologies, such as geothermal, aerothermal, sustainable biomass and solar thermal can play a vital role in the industrial sector, where an important share of the processes requires low level temperatures, such as the paper and food industry;*

Or. en

Amendment 338

Adam Gierek

Motion for a resolution

Paragraph 18

Motion for a resolution

18. Considers that heat exchangers can play a vital role in cooling in the food industry in transferring heat to natural bodies of water (free cooling) located close to sites at which products are stored, the *temperature of which does not exceed 6°C throughout the year;*

Amendment

18. Considers that heat exchangers can play a vital role in cooling in the *decarbonisation of the* food industry in transferring heat to natural bodies of water (free cooling) located close to sites at which *cooled* products are stored, *as well as the use for this purpose of renewable cooling sources, such as LNG terminals;*

Or. pl

Amendment 339
Algirdas Saudargas, Jerzy Buzek

Motion for a resolution
Paragraph 18

Motion for a resolution

18. Considers that heat exchangers can play a vital role in cooling in ***the food industry*** in transferring heat to natural bodies of water (free cooling) located close to sites at which products are stored, the temperature of which does not exceed 6°C throughout the year;

Amendment

18. Considers that ***water-efficient*** heat exchangers can play a vital role in cooling in ***industrial processes*** in transferring heat to natural bodies of water (free cooling) located close to sites at which products are stored, the temperature of which does not exceed 6°C throughout the year;

Or. en

Amendment 340
Jeppe Kofod

Motion for a resolution
Paragraph 18 a (new)

Motion for a resolution

18a. Considers that increased electrification of heating and cooling systems is a vital step to ensure both decreased reliance on fossil fuels, increase European energy independence and ensure greater demand for RES; stresses the importance of technologies such as heat pumps in this regard;

Amendment

Or. en

Amendment 341
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 19

Motion for a resolution

19. Takes the view that high-power stationary fuel cells could, ***in the very near future, be*** an environmentally friendly ***alternative to coal as a solid fuel, thanks to the use of hydrogen obtained, for example, from water gas, produced via the thermal processing of coal in an atmosphere containing water vapour;***

Amendment

19. Takes the view that high-power stationary fuel cells could ***become*** an environmentally friendly ***way of storing energy produced from renewable energy sources;***

Or. en

Amendment 342

Morten Helveg Petersen, Carolina Punset, Kaja Kallas

Motion for a resolution

Paragraph 19

Motion for a resolution

19. Takes the view that high-power stationary fuel cells could, in the very near future, be an environmentally friendly alternative to coal as a solid fuel, ***thanks to the use of hydrogen obtained, for example, from water gas, produced via the thermal processing of coal in an atmosphere containing water vapour;***

Amendment

19. Takes the view that high-power stationary fuel cells could, in the very near future, be an environmentally friendly alternative to coal as a solid fuel;

Or. en

Amendment 343

Anneleen Van Bossuyt

Motion for a resolution

Paragraph 19

Motion for a resolution

19. Takes the view that high-power stationary fuel cells could, in the very near future, be an environmentally friendly

Amendment

19. Takes the view that high-power stationary fuel cells could, in the very near future, be an environmentally friendly

alternative to coal as a solid fuel, thanks to the use of hydrogen obtained, *for example, from water gas, produced via the thermal processing of coal in an atmosphere containing water vapour*;

alternative to coal as a solid fuel, thanks to the use of hydrogen obtained;

Or. en

Amendment 344

Edward Czesak

Motion for a resolution

Paragraph 19

Motion for a resolution

19. Takes the view that high-power stationary fuel cells could, in the very *near* future, be an environmentally friendly alternative to *coal as* a solid fuel, thanks to the use of hydrogen obtained, for example, from water gas, produced via the thermal processing of coal in an atmosphere containing water vapour;

Amendment

19. Takes the view that high-power stationary fuel cells could, in the very future, be an environmentally friendly alternative to a solid fuel, thanks to the use of hydrogen obtained, for example, from water gas, produced via the thermal processing of coal in an atmosphere containing water vapour;

Or. en

Amendment 345

Ulrike Müller

Motion for a resolution

Paragraph 19 a (new)

Motion for a resolution

19a. Considers that power-to-gas has great potential for the future as a way of storing and transmitting renewable energy and using it for the purpose of central and local heat generation; observes that the use of power-to-gas is an efficient way of using renewable energy for heat generation, particularly in conurbations, thanks to the possibility of

Amendment

using existing infrastructure; calls on the Commission and Member States, therefore, to promote research and pilot projects relating to power-to-gas accordingly;

Or. de

Amendment 346
Miroslav Poche, Kathleen Van Brempt

Motion for a resolution
Paragraph 19 a (new)

Motion for a resolution

Amendment

19a. Emphasizes the potential of hot water storage to better integrate variable renewable energy by providing another option for demand side flexibility;

Or. en

Amendment 347
Massimiliano Salini

Motion for a resolution
Paragraph 20

Motion for a resolution

Amendment

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;

deleted

Or. it

Amendment 348
Martina Werner

Motion for a resolution
Paragraph 20

Motion for a resolution

Amendment

20. *Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;* **deleted**

Or. de

Amendment 349
Anneleen Van Bossuyt

Motion for a resolution
Paragraph 20

Motion for a resolution

Amendment

20. *Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;* **deleted**

Or. en

Amendment 350
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 20

Motion for a resolution

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, **and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;**

Amendment

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, **calls on the Member States to introduce equivalent measures for tackling emissions from installations that do not fall under the scope of EU ETS, including emission performance standards applying to all fuel combustion facilities regardless of their capacity;**

Or. en

Amendment 351
Barbara Kappel

Motion for a resolution
Paragraph 20

Motion for a resolution

20. **Given** that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, **points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;**

Amendment

20. **Points out** that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption; **believes therefore that best practices of Member States should be identified on how to incentivize a fuel-switch without distorting the market or impose additional costs on consumers;**

Or. en

Amendment 352
Jeppe Kofod

Motion for a resolution
Paragraph 20

Motion for a resolution

20. Given that fossil fuels account for 75% of the primary energy supply in

Amendment

20. Given that fossil fuels account for 75% of the primary energy supply in

heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;

heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW; ***calls also for subsidies for fossil fuels to be phased out by Member States to ensure uptake of RES for heating and cooling; stresses that such subsidies could be transferred to energy efficiency projects to avoid negative effects on the fight against energy poverty and to ensure that consumers are not adversely affected;***

Or. en

Amendment 353
Jerzy Buzek

Motion for a resolution
Paragraph 20

Motion for a resolution

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;

Amendment

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW; ***the EU ETS cap should be increased respectively to facilitate this inclusion;***

Or. en

Amendment 354
Edward Czesak

Motion for a resolution
Paragraph 20

Motion for a resolution

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW;

Amendment

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out to the Commission the possibility of including those sectors in the EU ETS, including fuel combustion facilities with a capacity of less than 20 MW. ***The EU ETS cap should be increased respectively to facilitate this inclusion;***

Or. en

Amendment 355

Jean-Luc Schaffhauser

Motion for a resolution

Paragraph 20

Motion for a resolution

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out ***to the Commission*** the possibility of including those sectors in the EU ETS, ***including fuel combustion facilities with a capacity of less than 20 MW;***

Amendment

20. Given that fossil fuels account for 75% of the primary energy supply in heating and cooling, and therefore for more than 37% of the EU's total energy consumption, points out ***that*** the possibility of including those sectors in the EU ETS ***will increase fraud, which, according to Europol estimates, amounted to EUR 5 billion in the years 2008 and 2009;***

Or. fr

Amendment 356

Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution

Paragraph 20 a (new)

Motion for a resolution

Amendment

20a. *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 357

Cornelia Ernst

Motion for a resolution

Paragraph 20 a (new)

Motion for a resolution

Amendment

20a. *Takes the view that, given the urgent need to achieve quick and effective results in the thermomodernisation process of EU's thermal sector, EU should focus on research to increase the deployment of the currently best available technologies;*

Or. en

Amendment 358

Anneleen Van Bossuyt

Motion for a resolution

Paragraph 21

Motion for a resolution

Amendment

21. *Takes the view that research under the Horizon 2020 framework programme should cover the development of new*

deleted

materials with maximum thermal conductivity (heat exchangers), minimum conductivity – i.e. maximum thermal resistance (thermal insulation), and maximum heat accumulation rates (heat stores);

Or. en

Amendment 359

Benedek Jávör

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Takes the view that research under the Horizon 2020 framework programme should cover the development of new materials with maximum thermal conductivity (heat exchangers), minimum conductivity – i.e. maximum thermal resistance (thermal insulation), **and** maximum heat accumulation rates (heat stores);

Amendment

21. Takes the view that research under the Horizon 2020 framework programme should cover, ***inter alia***, the development of new materials with maximum thermal conductivity (heat exchangers), minimum conductivity – i.e. maximum thermal resistance (thermal insulation), maximum heat accumulation rates (heat stores) **and of new industrial processes to allow substituting gas by renewable technologies for high temperature needs;**

Or. en

Amendment 360

Dan Nica, Kathleen Van Brempt

Motion for a resolution

Paragraph 21

Motion for a resolution

21. Takes the view that research under the Horizon 2020 framework programme should cover the development of new materials with maximum thermal

Amendment

21. Takes the view that research under the Horizon 2020 framework programme should cover the development of ***sustainable heating and cooling solutions***

conductivity (heat exchangers), minimum conductivity – i.e. maximum thermal resistance (thermal insulation), and maximum heat accumulation rates (heat stores);

as well as waste heat and waste cold valorisation technologies, new materials with maximum thermal conductivity (heat exchangers), minimum conductivity – i.e. maximum thermal resistance (thermal insulation), and maximum heat accumulation rates (heat stores);

Or. en

Amendment 361
Anneleen Van Bossuyt

Motion for a resolution
Paragraph 21 a (new)

Motion for a resolution

Amendment

21a. Emphasises that European legislation on heating and cooling should be technological neutral and should therefore not contain reference to specific technologies;

Or. en

Amendment 362
Louis Michel

Motion for a resolution
Paragraph 22

Motion for a resolution

Amendment

22. Takes the view that **research** should be **carried out** under the Horizon 2020 framework programme **on** structural window **panes** that **let** in high levels of short-wave radiation (sunlight) from outside and **let** out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;

22. Takes the view that **progress** should be **made** under the Horizon 2020 framework programme **in R&D relating to** structural window **glass** that **lets** in high levels of short-wave radiation (sunlight) from outside and **lets** out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;

Or. nl

Amendment 363
Anneleen Van Bossuyt

Motion for a resolution
Paragraph 22

Motion for a resolution

Amendment

22. *Takes the view that research should be carried out under the Horizon 2020 framework programme on structural window panes that let in high levels of short-wave radiation (sunlight) from outside and let out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;*

deleted

Or. en

Amendment 364
Kathleen Van Brempt, Dan Nica, Miroslav Poche, Jeppe Kofod, Theresa Griffin, Edouard Martin, Martina Werner

Motion for a resolution
Paragraph 22

Motion for a resolution

Amendment

22. Takes the view that research should be carried out under the Horizon 2020 framework programme on structural window panes that let in high levels of short-wave radiation (sunlight) from outside and let out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;

22. Takes the view that research should be carried out under the Horizon 2020 framework programme on ***sustainable and efficient heating and cooling systems and materials, such as small-scale renewable generation and storage solutions, district heating and cooling systems, cogeneration, insulation materials and innovative materials such as*** structural window panes that let in high levels of short-wave radiation (sunlight) from outside and let out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;

Or. en

Amendment 365
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 22

Motion for a resolution

22. Takes the view that research should be carried out under the Horizon 2020 framework programme on structural window panes that let in high levels of short-wave radiation (sunlight) from outside and let out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;

Amendment

22. Takes the view that research should be carried out under the Horizon 2020 framework programme on *the digitalization of heating and cooling systems, district heating and cooling systems, renewable generation and storage solutions and new insulation materials, such as* structural window panes that let in high levels of short-wave radiation (sunlight) from outside and let out only a minimum of the long-wave thermal radiation that would otherwise escape to the outside;

Or. en

Amendment 366
Jean-Luc Schaffhauser

Motion for a resolution
Paragraph 22 a (new)

Motion for a resolution

22a. Maintains that insulation programmes for old buildings in Europe require investment on such a scale that ECB monetary facilities (quantitative easing), the implementation of which should be delegated to national central banks for the benefit of the real economy, would be the only means capable of meeting the challenge; points out that money printed for that purpose would be recouped through the savings made and that it would constitute a profitable

Amendment

investment and a major sustainable development project for Europe;

Or. fr

Amendment 367

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 23

Motion for a resolution

23. Emphasises the importance of extensive scientific research into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient;

Amendment

23. Emphasises the importance of extensive scientific research into the ***further development and deployment*** of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient ***and based on renewables and the further need to support these under the H2020 and structural funds;***

Or. en

Amendment 368

Laurențiu Rebegea

Motion for a resolution

Paragraph 23

Motion for a resolution

23. Emphasises the importance of extensive scientific research into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient;

Amendment

23. Emphasises the importance of extensive scientific research ***and studies on waste management, and especially heating waste water, as well as*** into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient;

Or. ro

Amendment 369

Bronis Ropé

**Motion for a resolution
Paragraph 23**

Motion for a resolution

23. Emphasises the importance of extensive scientific research into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient;

Amendment

23. Emphasises the importance of extensive scientific research into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient ***and that use energy produced from renewable sources***;

Or. It

**Amendment 370
Miapetra Kumpula-Natri**

**Motion for a resolution
Paragraph 23**

Motion for a resolution

23. Emphasises the importance of extensive scientific research into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient;

Amendment

23. Emphasises the importance of extensive scientific research into the development of innovative technological solutions designed to deliver appliances and entire heating and cooling systems that are energy efficient ***and renewable based***;

Or. en

**Amendment 371
Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck**

**Motion for a resolution
Paragraph 23 a (new)**

Motion for a resolution

Amendment

23a. Calls on the Commission to identify and remove remaining barriers to energy efficiency measures, particularly

domestic renovations by households and to develop a genuine market in energy efficiency in order to foster transfer of best practices and ensure availability of products and solutions throughout the EU with the aim of building a true single market in energy efficiency products and services; Underlines the job creation and economic growth potential not only of initial roll out of such products and services but also in the on-going maintenance and day to day running of an integrated energy system encompassing heating and cooling;

Or. en

Amendment 372

Seán Kelly, Bendt Bendtsen, Luděk Niedermayer

**Motion for a resolution
Paragraph 23 a (new)**

Motion for a resolution

Amendment

23a. Highlights the need for increased Research, Development and Innovation actions in Renewable Heating and Cooling (RHC) technologies to reduce costs, enhance system performance and increase deployment and integration into the energy system; Calls on the Commission to work with sector stakeholders to maintain updated technology roadmaps on RHC to coordinate, track, and identify gaps in RHC technology development;

Or. en

Amendment 373

Algirdas Saudargas, Jerzy Buzek, Bendt Bendtsen, Seán Kelly

Motion for a resolution

Paragraph 23 a (new)

Motion for a resolution

Amendment

23a. *Stresses the need to carry out mapping of local heating and cooling potentials throughout Europe, so that cities are enabled to better identify their locally available resources and can thereby contribute to increasing the EU's energy independence, boost growth and competitiveness through the creation of local, non-outsourcable jobs, and provide clean and affordable energy to consumers;*

Or. en

Amendment 374

Kaja Kallas

Motion for a resolution

Paragraph 23 a (new)

Motion for a resolution

Amendment

23a. *Highlights the potential of smart buildings for energy efficiency and efficient heating and cooling systems; calls on the Commission to better integrate smart technologies in the relevant Energy Union initiatives in order to ensure real interconnectivity of smart appliances, connected homes and smart buildings with smart grids and within the energy system;*

Or. en

Amendment 375

Miroslav Poche, Dan Nica, Kathleen Van Brempt

Motion for a resolution

Paragraph 23 a (new)

Motion for a resolution

Amendment

23a. *Highlights that innovations such as smart heating controls help consumers to better understand their consumption patterns and adjust the operation of their heating system accordingly in order to operate more efficiently, contributing over the longer term to a cultural shift in how people use energy;*

Or. en

Amendment 376

Morten Helveg Petersen, Carolina Punset, Fredrick Federley, Lieve Wierinck

Motion for a resolution

Paragraph 23 b (new)

Motion for a resolution

Amendment

23b. *Believes that industry needs clear signals from policy makers in order to make the necessary investments in achieving the EUs energy objectives; highlights the need for ambitious binding targets and a regulatory framework that promotes innovation, without creating unnecessary administrative burdens, in order to best promote cost effective and environmentally sustainable heating and cooling solutions;*

Or. en

Amendment 377

Seán Kelly, Bendt Bendtsen, Luděk Niedermayer

Motion for a resolution

Paragraph 23 b (new)

Motion for a resolution

Amendment

23b. Believes that investment in Energy Efficiency in buildings should go hand in hand with investment in Renewable Heating and Cooling (RHC); considers the synergies that are found between Energy Efficiency in buildings and RHC to present a significant opportunity in the move towards a low-carbon economy; welcomes efforts at national level to increase the number of nearly zero-energy buildings;

Or. en

Amendment 378

Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Recommends that individual thermal renovation systems be designed for architectural landmarks, with a *particular* focus on *insulating roofs and replacing windows so as* not to *spoil* the unique architectural style of the buildings concerned;

Amendment

24. Recommends that individual thermal renovation systems be designed for architectural landmarks, with a *dual* focus on *investments on the building's shell combined with the optimization of building control and automation systems and the supply of efficient heating and cooling, whilst taking care* not to *compromise* the unique architectural style of the buildings concerned;

Or. en

Amendment 379

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Recommends that individual thermal renovation systems be designed for architectural landmarks, with a particular focus on insulating roofs **and** replacing windows **so as not to spoil** the unique architectural style of the buildings concerned;

Amendment

24. Recommends that individual thermal renovation systems be designed for architectural landmarks **in line with the relevant provision of the EPBD (Article 4(2))**, with a particular focus on insulating roofs, replacing windows **as well as exploring how best to provide them with renewable heating and cooling without spoiling** the unique architectural style of the buildings concerned;

Or. en

Amendment 380

Adam Gierek

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Recommends that individual thermal **renovation** systems be designed for architectural landmarks, **with a particular focus on insulating roofs and replacing windows so as not to spoil** the unique architectural style of the buildings concerned;

Amendment

24. Recommends that individual thermal **insulation** systems be designed for architectural landmarks, **in conjunction with efficient heating and cooling which does not change** the unique architectural style of the buildings concerned;

Or. pl

Amendment 381

Louis Michel

Motion for a resolution

Paragraph 24

Motion for a resolution

24. Recommends that individual thermal renovation systems be designed for architectural landmarks, with a particular

Amendment

24. Recommends that individual thermal renovation systems be designed for architectural landmarks, with a particular

focus on insulating roofs and replacing windows so as not to spoil the unique architectural style of the buildings concerned;

focus on insulating roofs and replacing windows *and window glass* so as not to spoil the unique architectural style of the buildings concerned;

Or. nl

Amendment 382

Kathleen Van Brempt, Dan Nica, Miriam Dalli, Theresa Griffin, Edouard Martin, Flavio Zanonato, Miapetra Kumpula-Natri, Miroslav Poche, Martina Werner

Motion for a resolution

Paragraph 24 a (new)

Motion for a resolution

Amendment

24a. *Calls for specific attention in the existing and new European funding programmes, such as the EFSI, for innovative and sustainable heating and cooling projects such as micro-generation and storage, refurbishments and development of district heating and especially for clustering small-scale projects into larger, bankable clusters; points out in this regard the importance of well-functioning technical assistance;*

Or. en

Amendment 383

Adam Gierek

Motion for a resolution

Paragraph 24 a (new)

Motion for a resolution

Amendment

24a. *Notes that the architectural design of intelligent buildings should take a holistic approach to ensuring thermal comfort (cooling) through the shape and mass of buildings, the adaptation of space and the adjustment of parameters such as the amount of daylight and ventilation and recuperation intensity, while at the*

same time having low running costs;

Or. pl

Amendment 384
Dan Nica, Kathleen Van Brempt

Motion for a resolution
Paragraph 24 a (new)

Motion for a resolution

Amendment

24a. Underlines the importance of standardized thermal energy audits as well as the cost-effectiveness of remediating problems with industrial insulation to save energy and reduce emissions. Industrial energy costs could be further reduced with investments in existing and proven sustainable technologies.

Or. en

Amendment 385
Barbara Kappel

Motion for a resolution
Paragraph 24 a (new)

Motion for a resolution

Amendment

24a. Calls on the Commission to promote measures to modernise inefficient heating and cooling appliances in the review of the energy performance of Buildings Directive, whereby the review of the energy labelling system can play a key role to stimulate activity in this sector;

Or. en

Amendment 386
Algirdas Saudargas, Jerzy Buzek

Motion for a resolution
Paragraph 24 a (new)

Motion for a resolution

Amendment

24a. Calls on the European Commission to develop robust, innovative, and long-term financial mechanisms to stimulate building renovation, demand and investment in energy efficient heating and cooling solutions;

Or. en

Amendment 387
Algirdas Saudargas

Motion for a resolution
Paragraph 25

Motion for a resolution

Amendment

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for *this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;*

25. Underlines that the European Structural and Investment Funds are an important tool for modernising the energy system; takes the view that the restrictions that have been in place thus far on ERDF funding for *the low carbon transition priority haven't been effective; considers that for a post-2020 programming period the budget percentage earmarked for the this priority should be increased;*

Or. en

Amendment 388
Flavio Zanonato, Simona Bonafè

Motion for a resolution
Paragraph 25

Motion for a resolution

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, *in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods*;

Amendment

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes. *Considers that Structural Funds and EFSI funding of energy efficiency projects should target those consumers more sensitive to energy costs relating to heating and cooling systems such as industry at risk of carbon leakage, SMEs and households at risk of energy poverty*;

Or. en

Amendment 389
Adam Gierek

Motion for a resolution
Paragraph 25

Motion for a resolution

25. Takes the view that there should be no restrictions on EU funding *that is used* for the thermal renovation of buildings; takes the view that the *restrictions* that have been in place thus far *on ERDF funding* for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Amendment

25. Takes the view that there should be no restrictions on EU funding, *including from the ERDF (regional development funding) and funding for major EFSI projects (Juncker Plan)*, for the *cost-effective comprehensive* thermal renovation of buildings; takes the view that the *limits* that have been in place thus far for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Or. pl

Amendment 390
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 25

Motion for a resolution

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, *in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods*;

Amendment

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings *and for the construction of new nearly-zero-energy ones*; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes;

Or. en

Amendment 391
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 25

Motion for a resolution

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Amendment

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings *linking energy efficiency improvements and renewable heating and cooling*; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods; *calls on the Commission, Member States, the EIB and national promotional banks to further develop robust financial mechanism to*

stimulate public and private investment in RES-based, energy efficient heating and cooling solutions as well as to reinforce conditionality in the allocation of EU funds, including EFSI, to make sure that the EU budget is not spent on projects conflicting with the long-term decarbonisation goals of the EU; Recalls that these financial mechanisms should be accompanied by the necessary technical assistance, notably to bundle small diffuse projects into larger bankable ones;

Or. en

Amendment 392
Patrizia Toia

Motion for a resolution
Paragraph 25

Motion for a resolution

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Amendment

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings *and for the development of efficient district and heating systems, whereas a positive cost-benefit analysis emerged*; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Or. en

Amendment 393
Edward Czesak

Motion for a resolution

Paragraph 25

Motion for a resolution

25. Takes the view that there should be no restrictions on EU funding that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ERDF funding for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Amendment

25. Takes the view that there should be no restrictions on EU funding, ***including from the ESIF and the EFSI (Juncker Plan) for major projects***, that is used for the thermal renovation of buildings; takes the view that the restrictions that have been in place thus far on ***European Regional Development Fund (ERDF) funding under the ESIF*** for this purpose have had an adverse effect in hampering these processes, in particular as regards the large number of buildings and entire housing estates built using large-panel system building methods;

Or. pl

Amendment 394

Morten Helveg Petersen, Carolina Punset, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Underlines the importance of ensuring access to finance both for infrastructure projects and other large scale investments as well as small scale works and renovations related to modernising the heating and cooling sector; Highlights in this regard the role that EFSI could play in ensuring that projects are attractive to private investors with stable regulatory conditions and clearly identifiable medium to long term pay-off, particularly by minimising bureaucracy and encompassing an expedient application and approval process; Emphasises the need to simultaneously develop innovative private

financing of energy efficiency, infrastructure and renovation projects as well as encouraging greater involvement of the European Investment Bank and the promotion of energy services for which EU funds can complement national financing schemes; Supports the increased use of ETS revenues, and the modernisation fund, to finance energy efficiency investments including small scale energy efficiency projects;

Or. en

Amendment 395
Dario Tamburrano, David Borrelli

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Calls on the Commission to strengthen the current provisions on heating and cooling in the post-2020 programming period for all applicable European funds, because they are an important tool for modernising the energy system; calls in particular to eliminate the barriers that still exist in the use of structural funds that hinder local authorities in allocating useful resources to renovate existing public buildings;

Or. en

Amendment 396
Algirdas Saudargas

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Underlines that to stimulate improvements in heating and cooling sector Commission shall fully use 'ex ante conditionalities' foreseen by the article 19 of the Regulation No 1303/2013 and ensure that the existing EU legislation with relevant measures on heating and cooling are adequately transposed and implemented;

Or. en

Amendment 397
Patrizia Toia

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Considers that State Aid Guidelines for efficient technologies which are indispensable for the decarbonisation path of heating and cooling sector, especially as community based solutions, should take into account the need of an adequate public support;

Or. en

Amendment 398
Patrizia Toia

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Is of the view that initiatives such as the ELENA facility, Smart Cities and Communities and the new integrated Covenant of Mayors for Climate & Energy could support local and regional operators in the renovation of energy

systems in buildings;

Or. it

Amendment 399

Adam Gierek

Motion for a resolution

Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. *The modernisation and thermal insulation of buildings should generally take precedence over other thermal renovation activities in terms of priority access to funding, not least because of the strong potential to create many new jobs;*

Or. pl

Amendment 400

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. *Calls on the Commission to address the reform of the Eurostat rules of public debt and deficit, which still classify energy performance contracting as public debt in the account balance of local authorities;*

Or. en

Amendment 401

Anneleen Van Bossuyt

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Highlights that smart building innovation helps consumers to better track their consumption patterns and adjust their paters accordingly,

Or. en

Amendment 402
Miapetra Kumpula-Natri

Motion for a resolution
Paragraph 25 a (new)

Motion for a resolution

Amendment

25a. Calls on the Commission to ensure that EU budget is used in accordance with the decarbonisation and energy efficiency goals;

Or. en

Amendment 403
Algirdas Saudargas, Jerzy Buzek

Motion for a resolution
Paragraph 25 b (new)

Motion for a resolution

Amendment

25b. Emphasizes that Member States and the EU Commission, through Structural Funds or EFSI, should provide the necessary finance to enable cities to tap more cost-effectively into their locally available heating and cooling potential, to upgrade grid infrastructure to optimize the use of heating and cooling infrastructure during demand fluctuations, to provide incentives to

citizens to connect to heating and cooling infrastructure;

Or. en

Amendment 404

Morten Helveg Petersen, Carolina Punset, Gerben-Jan Gerbrandy, Fredrick Federley

Motion for a resolution

Paragraph 25 b (new)

Motion for a resolution

Amendment

25b. Calls on Member States to reinforce regulatory and financial support to accelerate the renovation rate of buildings, application of efficient heat pump technologies and the improvement in/roll-out of district heating and cooling systems, as set out in the Commission Strategy;

Or. en

Amendment 405

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 25 b (new)

Motion for a resolution

Amendment

25b. Takes the view that a better cooperation between stakeholders could be achieved through the successful implementation of the renewables initiatives of the SET Plan;

Or. en

Amendment 406

Benedek Jávör
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 25 c (new)

Motion for a resolution

Amendment

25c. Calls on the Member States to take targeted measures and strongly incentivise energy efficiency improvements and a broader use of RES in low-income and vulnerable households, calls on the Commission to allocate a much higher share of EU funds to energy efficiency and RES programmes for vulnerable, energy-poor households and to provide guidance to the Members States on specific energy poverty measures;

Or. en

Amendment 407
Benedek Jávör
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 25 d (new)

Motion for a resolution

Amendment

25d. Considers that citizens should be provided with better information on their energy consumption, possible energy savings as well as the benefits of renewable-based upgrades of their heating systems, respectively about possibilities to produce and consume their own produced renewable heating and cooling;

Or. en

Amendment 408

Ivan Jakovčić

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be **made fully** aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be **provided with a high standard of information to make them** aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Or. hr

Amendment 409

Benedek Jávor

on behalf of the Verts/ALE Group

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of **new** heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware, **through information and communication campaigns**, of the technological, **environmental** and economic benefits of **efficient renewable** heating and cooling systems, so as to enable them to make the best possible choices **and to provide them with access to sustainable and affordable energy; emphasises the importance of ongoing education, training, certification and control of installers and architects being first contact point for household consumers; calls on the Commission and the Member States to take concrete action in this regard;**

Or. en

Amendment 410

Miriam Dalli

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. ***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; therefore,*** takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Or. en

Amendment 411

Kathleen Van Brempt, Theresa Griffin, Dan Nica, Miriam Dalli, Miroslav Poche, Miapetra Kumpula-Natri, Edouard Martin, Martina Werner

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Takes the view that consumers ***must be*** made fully aware ***of*** the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that ***the Member States must make sure, amongst others via information campaigns, one-stop-shops, joint purchases and clustering of individual projects, that*** consumers, ***especially the most vulnerable, are*** made fully aware ***and have access to*** the technological and economic benefits of new ***energy efficiency products and services*** and heating and cooling systems, so as to enable them to make the best

possible choices, *sign up to joint or individual projects, and grasp the economic, health and quality of life benefits of better heating and cooling in their homes;*

Or. en

Amendment 412

Algirdas Saudargas, Jerzy Buzek, András Gyürk, Krišjānis Kariņš, Pilar del Castillo Vera

Motion for a resolution Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully *aware* of the technological and economic benefits of *new* heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully *informed* of the technological and economic benefits of *sustainable* heating and cooling systems *and installations*, so as to enable them to make the best possible choices; *asks the Commission to make concrete proposals in the energy performance of buildings directive that will enable to increase the awareness about the efficiency of their installed heating systems;*

Or. en

Amendment 413 Cornelia Ernst

Motion for a resolution Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible

Amendment

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible

choices;

choices; *points out the specific role of the Commission, Member States and local authorities in promoting and providing information on best available technologies in order to facilitate consumer and investor's choices;*

Or. en

Amendment 414

Dario Tamburrano, David Borrelli

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the ***technological and economic*** benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware of the benefits of new ***advanced*** heating and cooling ***technologies and*** systems ***able to integrate renewable energies in terms of economic, environmental and geopolitical advantages***, so as to enable them to make the best possible choices;

Or. en

Amendment 415

Adam Gierek

Motion for a resolution

Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of ***new*** heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of ***more sustainable*** heating and cooling systems, so as to enable them to make the best possible choices ***in this regard;***

Or. pl

Amendment 416
Barbara Kappel

Motion for a resolution
Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices; ***believes however that consumers should be able to make informed decisions concerning their heating and cooling application based on their individual circumstances;***

Or. en

Amendment 417
Patrizia Toia, Mercedes Bresso

Motion for a resolution
Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices; ***notes that householders living in remote and isolated locations may require particular attention and unique solutions;***

Or. en

Amendment 418
Jeppe Kofod

Motion for a resolution
Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices; ***reminds the Member States of their responsibilities to ensure that consumers are presented with such information;***

Or. en

Amendment 419
András Gyürk

Motion for a resolution
Paragraph 26

Motion for a resolution

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices;

Amendment

26. Takes the view that consumers must be made fully aware of the technological and economic benefits of new heating and cooling systems, so as to enable them to make the best possible choices; ***notes that households in remote and isolated locations may require particular attention and unique solutions;***

Or. en

Amendment 420
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. *Considers that there should be a clear EU regulatory framework on self-generation and self-consumption of renewable energy taking into account the heating and cooling sector; highlights the potential of prosumer groups involving households, micro and small businesses, cooperatives and local authorities for establishing collective energy systems that provide cost-efficient renewable heating and cooling; as well as the many synergies between energy efficiency and renewable energy; highlights in this context the added value of one-stops shops for project permits and support with financial and technical expertise;*

Or. en

Amendment 421

Kathleen Van Brempt, Theresa Griffin, Dan Nica, Miroslav Poche, Edouard Martin, Jeppe Kofod, Miapetra Kumpula-Natri, Martina Werner

**Motion for a resolution
Paragraph 26 a (new)**

Motion for a resolution

Amendment

26a. *Points out the lack of awareness of consumers about the often low performance of their current heating and cooling systems and the ways in which they can improve their situation, stresses in that sense the need for information, awareness raising and guidance campaigns to inform and incentivise consumers to modernise their installations and connect to collective heating and cooling solutions as well as apply for joint purchasing initiatives;*

Or. en

Amendment 422

Simona Bonafè, Soledad Cabezón Ruiz, Flavio Zanonato, Carlos Zorrinho

Motion for a resolution

Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. 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 423

Barbara Kappel

Motion for a resolution

Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. Believes that the reliability of data is of crucial importance in developing the future heating and cooling policy; believes that commonly agreed and verified breakdowns as well as a stronger focus on bottom-up data collections is necessary to support evidence based policy decisions;

Or. en

Amendment 424

Adam Gierek

Motion for a resolution

Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. *Considers the continuing training of experts assessing the thermal condition of buildings and the efficiency of the way in which they are heated (cooled) to be essential; believes that optimally located service groups which are accessible to end users are becoming a necessity;*

Or. pl

Amendment 425

Dario Tamburrano, David Borrelli

Motion for a resolution

Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. *Calls on the European Commission and Member States to develop additional long-term financial mechanisms to stimulate both demand and investment in energy-efficient solutions both for renewing existing buildings and for erecting new ones;*

Or. en

Amendment 426

Miroslav Poche, Dan Nica, Kathleen Van Brempt

Motion for a resolution

Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. *Emphasizes the importance to give consumers the freedom to choose from a variety of high-efficiency and renewable heating technologies that best meets their*

personal heating needs;

Or. en

Amendment 427

Nikolay Barekov

Motion for a resolution

Paragraph 26 a (new)

Motion for a resolution

Amendment

26a. Believes that annual checks need to be introduced for existing heating and cooling systems, and their energy efficiency determined.

Or. bg

Amendment 428

Simona Bonafè, Soledad Cabezón Ruiz, Flavio Zanonato, Carlos Zorrinho

Motion for a resolution

Paragraph 26 b (new)

Motion for a resolution

Amendment

26b. Emphasises the active role that consumers can play in the path to a sustainable European heating and cooling system. 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.

Amendment 429

Kathleen Van Brempt, Theresa Griffin, Edouard Martin, Jeppe Kofod, Miroslav Poche, Martina Werner

Motion for a resolution

Paragraph 26 b (new)

Motion for a resolution

Amendment

26b. Urges Member States to introduce an energy labelling system for installed heating and cooling installations to make consumers aware of the energy performance of their installations and to boost the replacement of old, polluting systems by efficient and more sustainable options;

Or. en

Amendment 430

Nikolay Barekov

Motion for a resolution

Paragraph 26 b (new)

Motion for a resolution

Amendment

26b. Recommends that European financing instruments be developed to support and expedite the process of converting old low-energy-efficient systems.

Or. bg

Amendment 431

Kathleen Van Brempt, Theresa Griffin, Dan Nica, Edouard Martin, Miroslav Poche, Jeppe Kofod, Flavio Zanonato, Miapetra Kumpula-Natri, Martina Werner

Motion for a resolution

Paragraph 26 c (new)

Motion for a resolution

Amendment

26c. *Urges the Commission and the Member States to come up with specific strategies to tackle the ever growing problem of energy poverty in order to help all consumers, especially the most vulnerable, to ameliorate their housing, heating and cooling conditions, on an individual or collective basis, whether they are home owners or tenants;*

Or. en

Amendment 432

Nikolay Barekov

Motion for a resolution

Paragraph 26 c (new)

Motion for a resolution

Amendment

26c. *Stresses the need to achieve a high level of energy independence through the priority use of local resources.*

Or. bg

Amendment 433

Nikolay Barekov

Motion for a resolution

Paragraph 26 d (new)

Motion for a resolution

Amendment

26d. *Calls for waste heat from existing industrial concerns to be used for domestic heating.*

Or. bg

Amendment 434
Nikolay Barekov

Motion for a resolution
Paragraph 26 e (new)

Motion for a resolution

Amendment

26e. Recommends that a charge be levied, on the owners of the property concerned, for outdated and low energy efficiency heating and cooling systems, as an incentive towards their upgrading to more energy-efficient systems.

Or. bg

Amendment 435
Benedek Jávor
on behalf of the Verts/ALE Group

Motion for a resolution
Paragraph 27

Motion for a resolution

Amendment

27. Takes the view that *the key to combating energy poverty is to cut heating prices by ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;*

27. Takes the view that *in the long-term energy poverty can only be tackled by fostering renovations of housing stock combining energy efficiency measures and renewable heat and cool supply; accordingly requests Member States to make energy efficiency measures and the switch to renewable heating and cooling a true priority;*

Or. en

Amendment 436
José Blanco López

Motion for a resolution
Paragraph 27

Motion for a resolution

27. Takes the view that ***the key to combating energy poverty is to cut heating prices by ensuring that there is*** a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Amendment

27. Takes the view that energy poverty ***may be mitigated by reducing energy prices and heating losses ensuring*** a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Or. en

Amendment 437

Kaja Kallas

Motion for a resolution

Paragraph 27

Motion for a resolution

27. Takes the view that the key to ***combating energy poverty is to cut heating prices by*** ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Amendment

27. Takes the view that the key to ***cutting heating costs is*** ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Or. en

Amendment 438

Morten Helveg Petersen, Carolina Punset, Gerben-Jan Gerbrandy, Kaja Kallas, Fredrick Federley, Lieve Wierinck

Motion for a resolution

Paragraph 27

Motion for a resolution

27. Takes the view that the key to combating energy poverty is to cut heating ***prices*** by ensuring that there is a significant

Amendment

27. Takes the view that the key to combating energy poverty is to cut ***overall heating costs for individual households*** by

increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Or. en

Amendment 439
Adam Gierek

Motion for a resolution
Paragraph 27

Motion for a resolution

27. Takes the view that the key to combating energy poverty is to cut heating prices *by ensuring that there is* a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Amendment

27. Takes the view that the key to combating energy poverty is to cut heating prices *through* a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and, *in particular*, during use by the end user;

Or. pl

Amendment 440
Edward Czesak

Motion for a resolution
Paragraph 27

Motion for a resolution

27. Takes the view that the key to combating energy poverty is to cut heating prices by ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Amendment

27. Takes the view that the key to combating energy poverty is to cut heating prices by ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and, *in particular*, during *its* use by the end user;

Amendment 441
Patrizia Toia

Motion for a resolution
Paragraph 27

Motion for a resolution

27. Takes the view that the key to combating energy poverty is to cut heating prices by ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Amendment

27. Takes the view that the key to combating energy poverty is to cut heating **bill** prices by ensuring that there is a significant increase in energy efficiency at the three main stages of energy use: during conversion from primary energy to useful energy, during further transport of that energy, and during use by the end user;

Or. it

Amendment 442
Patrizia Toia

Motion for a resolution
Paragraph 27 a (new)

Motion for a resolution

27a. *Considers it important to ensure that a share of energy efficiency funding is dedicated to improvements for energy-poor households or for those living in the most deprived areas, for example, by supporting them in investing in more energy-efficient heating and cooling equipment;*

Amendment

27a. *Considers it important to ensure that a share of energy efficiency funding is dedicated to improvements for energy-poor households or for those living in the most deprived areas, for example, by supporting them in investing in more energy-efficient heating and cooling equipment;*

Or. it

Amendment 443
Soledad Cabezón Ruiz, Simona Bonafè

Motion for a resolution

Paragraph 27 a (new)

Motion for a resolution

Amendment

27a. *Calls on the Commission to set up a plan to combat energy poverty, one key element of which could be self-generation under the revised Renewable Energy Directive;*

Or. es

Amendment 444

Soledad Cabezón Ruiz, Simona Bonafè

Motion for a resolution

Paragraph 27 b (new)

Motion for a resolution

Amendment

27b. *Believes that under the Energy Efficiency Directive Member States should establish state building renovation plans with a view to making buildings energy efficient, not least by offering incentives for the renovation of buildings owned by private individuals, and that such plans should also encompass specific measures for the most vulnerable groups to help combat energy poverty;*

Or. es

Amendment 445

Soledad Cabezón Ruiz, Simona Bonafè

Motion for a resolution

Paragraph 27 c (new)

Motion for a resolution

Amendment

27c. *Calls on the Commission, when implementing the Energy Efficiency Directive, to develop training for practitioners in the fields of energy*

efficiency auditing and planning and to help private individuals, and the most vulnerable groups in particular, to carry out activities of this kind;

Or. es

Amendment 446
Adam Gierek

Motion for a resolution
Paragraph 28 a (new)

Motion for a resolution

Amendment

28a. Believes that the European Union strategy on innovative heating and cooling requires intensive research, as a basis for creating industries making environmentally-friendly equipment to serve this purpose.

Or. pl