



Council of the  
European Union

Brussels, 12 May 2020  
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7950/20  
ADD 1

ENER 113  
CLIMA 79  
ENV 228  
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#### COVER NOTE

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From: Secretary-General of the European Commission,  
signed by Mr Jordi AYET PUIGARNAU, Director

date of receipt: 8 May 2020

To: Mr Jeppe TRANHOLM-MIKKELSEN, Secretary-General of the Council of  
the European Union

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No. Cion doc.: C(2020) 2841 final - ANNEX

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Subject: ANNEX to the Commission Delegated Regulation supplementing  
Regulation (EU) 2018/1999 of the European Parliament and of the Council  
with regard to values for global warming potentials and the inventory  
guidelines and with regard to the Union inventory system and repealing  
Commission Delegated Regulation (EU) No 666/2014

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Delegations will find attached document C(2020) 2841 final - ANNEX.

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Encl.: C(2020) 2841 final - ANNEX



Brussels, 8.5.2020  
C(2020) 2841 final

ANNEX

**ANNEX**

**to the**

**Commission Delegated Regulation**

**supplementing Regulation (EU) 2018/1999 of the European Parliament and of the Council with regard to values for global warming potentials and the inventory guidelines and with regard to the Union inventory system and repealing Commission Delegated Regulation (EU) No 666/2014**

**ANNEX**  
**GLOBAL WARMING POTENTIALS**

<b>Acronym, common name or chemical name</b>	<b>Global warming potential</b>
Carbon dioxide (CO <sub>2</sub> )	1
Methane (CH <sub>4</sub> )	28
Nitrous oxide (N <sub>2</sub> O)	265
Sulphur hexafluoride (SF <sub>6</sub> )	23 500
Nitrogen trifluoride (NF <sub>3</sub> )	16 100
<b>Hydrofluorocarbons (HFCs):</b>	
HFC-23 CHF <sub>3</sub>	12 400
HFC-32 CH <sub>2</sub> F <sub>2</sub>	677
HFC-41 CH <sub>3</sub> F	116
HFC-125 CHF <sub>2</sub> CF <sub>3</sub>	3170
HFC-134 CHF <sub>2</sub> CHF <sub>2</sub>	1120
HFC-134a CH <sub>2</sub> FCF <sub>3</sub>	1300
HFC-143 CH <sub>2</sub> FCHF <sub>2</sub>	328
HFC-143a CH <sub>3</sub> CF <sub>3</sub>	4800
HFC-152 CH <sub>2</sub> FCH <sub>2</sub> F	16
HFC-152a CH <sub>3</sub> CHF <sub>2</sub>	138
HFC-161 CH <sub>3</sub> CH <sub>2</sub> F	4
HFC-227ea CF <sub>3</sub> CHFCF <sub>3</sub>	3350
HFC-236cb CF <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> F	1210
HFC-236ea CF <sub>3</sub> CHFCHF <sub>2</sub>	1330
HFC-236fa CF <sub>3</sub> CH <sub>2</sub> CF <sub>3</sub>	8060
HFC-245fa CHF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	858
HFC-245ca CH <sub>2</sub> FCF <sub>2</sub> CHF <sub>2</sub>	716
HFC-365mfc CH <sub>3</sub> CF <sub>2</sub> CH <sub>2</sub> CF <sub>3</sub>	804

HFC-43-10mee $\text{CF}_3\text{CHFCHFCF}_2\text{CF}_3$ or $(\text{C}_5\text{H}_2\text{F}_{10})$	1650
<b>Perfluorocarbons (PFCs):</b>	
PFC-14, Perfluoromethane, $\text{CF}_4$	6630
PFC-116, Perfluoroethane, $\text{C}_2\text{F}_6$	11 100
PFC-218, Perfluoropropane, $\text{C}_3\text{F}_8$	8900
PFC-318, Perfluorocyclobutane, $\text{c-C}_4\text{F}_8$	9540
Perfluorocyclopropane $\text{c-C}_3\text{F}_6$	9200
PFC-3-1-10, Perfluorobutane, $\text{C}_4\text{F}_{10}$	9200
PFC-4-1-12, Perfluoropentane, $\text{C}_5\text{F}_{12}$	8550
PFC-5-1-14, Perfluorohexane, $\text{C}_6\text{F}_{14}$	7910
PFC-9-1-18, $\text{C}_{10}\text{F}_{18}$	7190