

IPCC AR 5th, 2013, Chapter 8, Table 8.SM.6 and Fig 8.32 Tabulated and calculated by Todd Shuman, 11/05/2015

Atmospheric Heating Agents	Unit	CO2	CH4	BC	Misc	Sub-Total	Total	Notes
<b>Table 8.SM.6</b> * [Radiative Forcing Over the Industrial Era, 1750-2011]	RF in W m-2	1.68	0.97	0.64	0.714	3.29	4.004	Misc:N20, CFC, HCFCs, HFCs, CO, NMVOC
% of Sub-Total (CO2+CH4+BC)		51.06	29.48	19.45				
Aprox % of Sub-Total (CO2+CH4+BC)		50	30	20				
% of Total		41.96	24.22	15.98	17.73			
<b>Aprox % of Total</b>		<b>42</b>	<b>24</b>	<b>16</b>	<b>18</b>			
<b>Fig 8.32 ** - 10yr Time Horizon</b>	Pg CO2 - eq	37	38	23	15	98	113	Pt=Petagram, or one billion metric tons; Misc includes CO, N20,NOX
% of Sub-Total (CO2+CH4+BC)		37.76	38.78	23.47				
Aprox % of Sub-Total (CO2+CH4+BC)		38	39	23				
% of Total		32.74	33.63	20.35	13.27			
<b>Aprox % of Total</b>		<b>33</b>	<b>34</b>	<b>20</b>	<b>13</b>			
<b>Fig 8.32** - 20yr Time Horizon</b>	Pg CO2 - eq	37	31	13	8	81	89	Pt=Petagram, or one billion metric tons; Misc includes CO, N20,NOX
% of Sub-Total (CO2+CH4+BC)		45.68	38.27	16.05				
Aprox % of Sub-Total (CO2+CH4+BC)		46	38	16				
% of Total		41.57	34.83	14.61	8.99			
<b>Aprox % of Total</b>		<b>42</b>	<b>35</b>	<b>15</b>	<b>9</b>			
<b>Fig 8.32** - 100yr Time Horizon</b>	Pg CO2 - eq	37	10	3	4	50	54	Pt=Petagram, or one billion metric tons; Misc includes CO, N20,NOX
% of Sub-Total (CO2+CH4+BC)		74	20	6				
Aprox % of Sub-Total (CO2+CH4+BC)		74	20	6				
% of Total		68.52	18.52	5.56	7.41			
<b>Aprox % of Total</b>		<b>69</b>	<b>19</b>	<b>6</b>	<b>7</b>			

\* Section 8.SM.8: Table with Values and Uncertainties to Support Figure 8.17. Table 8.SM.6 [Radiative forcing (RF, in W m-2) by emitted components as shown in Figure 8.17] is located on page 13 of the Chapter 8 Supplementary Material (8SM). "Figure 8.17 shows the forcing over the Industrial Era by emitted compounds (see Supplementary Material Tables 8.SM.6 and 8.SM.7 for actual numbers and references)." (Page 697, Chapter 8, IPCC 2013.) "Figure 8.17 - RF bar chart for the period 1750-2011 based on emitted compounds (gases, aerosols or aerosol precursors) or other changes. Numerical values and their uncertainties are shown in Supplementary Material Tables 8.SM.6 and 8.SM.7." (Page 698, Chapter 8, IPCC 2013.) \*\* "Figure 8.32 shows global anthropogenic emissions of some selected components weighted by the GWP and GTP." (Page 718, Chapter 8, IPCC 2013.)

Note: CO2=Carbon Dioxide, CH4=Methane, BC=Black Carbon