

EDF calculation based on IPCC AR5 WGI CH 8

These numbers can be found on p.698 (p.40 of the PDF).

https://www.ipcc.ch/pdf/assessment-report/ar5/wg1/WG1AR5_Chapter08_FINAL.pdf

- Methane is responsible for 0.97 W/m² warming from preindustrial to present-day
 - 0.018 W/m² from CO₂ generation
 - 0.641 W/m² as methane
 - 0.241 W/m² from ozone generation
 - 0.07 W/m² from water vapor generation
- Total positive radiative forcing in atmosphere is 3.95 W/m²

CO2	1.68
CFCs	0.113
N2O	0.17
SF6	0.0041
PFCs	0.005
CH4	0.97
HCFCs	0.052
HFCs	0.0195
CO	0.234
NMVOC	0.058
Nox	-0.151
NH3	-0.06
BC	0.64
Dust	-0.1
OC	-0.29
SO2	-0.41

- Methane contribution is $0.97/3.95 = 24.6\%$