$$mpg_e = \frac{CWF_{HC/NG} \times D_{NG} \times 121.5}{\left(0.749 \times CH_4\right) + \left(CWF_{NMHC} \times NMHC\right) + \left(0.429 \times CO\right) + \left(0.273 \times \left(CO_2 - CO_{2NG}\right)\right)}$$