

$$CO_2 = \sum_{i=1}^{12} \left[\begin{aligned} & (PC \times PM) - \left(MSB \times \frac{PM}{1000} \right) - \left(\frac{TB}{100} \times PC \times PM \times \left(\frac{S_b + Cen_b + H_b}{100} \right) \right) \\ & - \left(\frac{100 - TB}{100} \times PC \times PM \times \frac{S_c + Cen_c}{100} \right) - (PM \times CP) \end{aligned} \right] \times 3,664$$