

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