

$$CO_2 = \sum_{i=1}^n \left[\begin{array}{l} (AR \times TC_{AR}) + (EL \times TC_{EL}) + (MIN \times TC_{MIN}) \\ + (AF \times TC_{AF}) - (FEA \times TC_{FEA}) - (MNA \times TC_{MNA}) \end{array} \right]_i \times 3,664$$