

$$CO_2 = \sum_{i=1}^n \left[\sum_{j=1}^m (RM_{j,i} \times CC_{j,i}) \times EF_i \right] - \sum_{i=1}^n \left[\sum_{k=1}^p (OM_{k,i} \times CC_{OM\ k,i}) \times EF_i \right]$$