

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