

$$CO_{2,BF} = \left[\sum_{i=1}^n (RM_i \times C_{RM,i}) + \sum_{j=1}^m (CAR_j \times C_{CAR,j}) + \sum_{k=1}^p (F_k \times C_{F,k}) + (Ore \times C_{Ore}) - (I \times C_I) - (NM \times C_{NM}) - (R \times C_R) \right] \times 3.664$$