

$$CO_{2,HF} = \left[\sum_{i=1}^n (MP_i \times TC_{MP_i}) + \sum_{j=1}^m (MC_j \times TC_{MC_j}) + \sum_{k=1}^p (AF_k \times TC_{AF_k}) + (MIN \times TC_{MIN}) - (FHF \times TC_{FHF}) - (SNM \times TC_{SNM}) - (R \times TC_R) \right] \times 3,664$$