

$$\begin{aligned}
E_{\text{CO}_2} = & (\text{PC} \times \text{MP} - [\text{CSM} \times \text{MP}] / 1000 - \text{BC} / 100 \times \text{PC} \times \\
& \text{MP} \times [S_p + \text{Ash}_p + H_p] / 100 - [100 - \text{BC}] / 100 \times \text{PC} \times \text{MP} \times \quad (\text{Eq. F-6}) \\
& [S_c + \text{Ash}_c] / 100 - \text{MP} \times \text{CD}) \times (44 / 12)
\end{aligned}$$