$$RE_sCO_2(k \rightarrow l) = \sum_{j=k}^{l} \left(m_S CO_2\ (j)\right) * (F_S(j)_{k \rightarrow l})$$

Where:

$REsCO_2(k \rightarrow l)$ = Radiative effect of CO_2 captured during a reporting period on radiative forcing ($k \rightarrow l$);

m_s = Mass of CO_2 captured during a reporting period;

$Fs(j)_{k \rightarrow l}$= Fraction of the radiative effect of one tonne of CO_2 on radiative forcing during a reporting period from k to l ($k \rightarrow l$) calculated using equation 15;

j = Year of carbon sequestration—by default the year begins at 0 with the planting of seedlings or sowing of seeds;

k = Start of reporting period;

l = End of reporting period.