

# Biomass Cofiring Percentage Calculation Methodology

Calculating the percentage of biomass co-firing involves determining the proportion of biomass used in along with total coal, to produce energy.

1. Calculate the Total Fuel Input: (Biomass Quantity + Coal Quantity)
2. Ensure that the measurements for both biomass and coal are in the same units. (e.g., Metric Tonnes)
3. Calculate Biomass Percentage: Once you have the measurements in the same units, you can calculate the percentage of biomass in the co-firing mix.

$\% \text{ of Biomass Co-firing} = \text{Biomass Consumption} / (\text{Biomass Consumption} + \text{Coal Consumption}) * 100$
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Example: For instance, if you're co-firing 10 tons of biomass with 90 tons of coal to produce energy for the period, then the total fuel input is 100 tons.

$$\begin{aligned}\% \text{ of Biomass Co-firing} &= \{10 / (10 + 90)\} * 100 \\ &= 10\%\end{aligned}$$

Note: Accurate measurements for same period and proper conversions are crucial for precise calculations.