

EAF FORMULA AND DEFINITIONS

$$\text{OMC Weighted Equivalent Availability Factor (XWEAF)} = \frac{\sum((\text{AH} - \text{EPDH} - \text{EUDH} - \text{ESEDH}) \times \text{NMC})}{\sum(\text{PH} * \text{NMC})} \times 100\%$$

- **AH (Available Hours):** Sum of all Service Hours (SH) + Reserve Shutdown Hours (RSH) + Pumping Hours + Synchronous Condensing Hours.
- **EPDH (Equivalent Planned Derate Hours):** Each individual Planned Derating (PD, DP) is transformed into equivalent full outage hour(s). This is calculated by multiplying the actual duration of the derating (hours) by the size of reduction (MW) and dividing by the Net Maximum Capacity (NMC). These equivalent hour(s) are then summed.
- **EUDH (Equivalent Unplanned Derating Hours):** Each individual Unplanned Derating (D1, D2, D3, D4, DM) is transformed into equivalent full outage hour(s). This is calculated by multiplying the actual duration of the derating (hours) by the size of reduction (MW) and dividing by the Net Maximum Capacity (NMC). These equivalent hour(s) are then summed.
- **ESEDH (Equivalent Seasonal Derate Hours):** ((Net Maximum Capacity (NMC) - Net Dependable Capacity (NDC)) x Available Hours (AH)) / Net Maximum Capacity (NMC) for applicable months.
- **PH (Period Hours):** Number of hours in the period being reported that the unit was in the active state.
- **NMC (Net Maximum Capacity):** Is the capacity a unit can sustain over a specified period of time established through a formal demonstration.