$$\dot{Q}_{hcalc}^{k=2}(47) = \dot{Q}_{h}^{k=2}(17) * (1 + 30^{\circ}F * CSF);$$

$$\dot{E}_{hcalc}^{k=2}(47) = \dot{E}_{h}^{k=2}(17) * (1 + 30^{\circ}F * PSF)$$