Trevor Swan

ECHE225: QUIZ 1 // 9.5.24

3. Given

Applinus: +9,000 45/4-

Building: Loses 75,000 KJ/m

1st Livi (Qin - Qout) + (win-wout) = U2-U1

Qin: 4,000 U5/hr Win Generator Went to Una

Qout: 75,000 U5/hr Wout: None DU=U2-U1

1 KS = KW

 $DV = 4000 \frac{\sqrt{3}/4r - 75,000}{5} \frac{\sqrt{3}}{4r}$ $O = -66,000 \frac{\sqrt{3}}{4r} + V_{10} - V_{10} = 66,000 \frac{\sqrt{3}}{4r}$

66,000 KJ × 1 hr × 1 mm × 1 KW = 18.33 KW

Generator technically does work on system to Verp: + at a net O Total Enong. Could be considered hertin(Qm) as well given more in forms ben