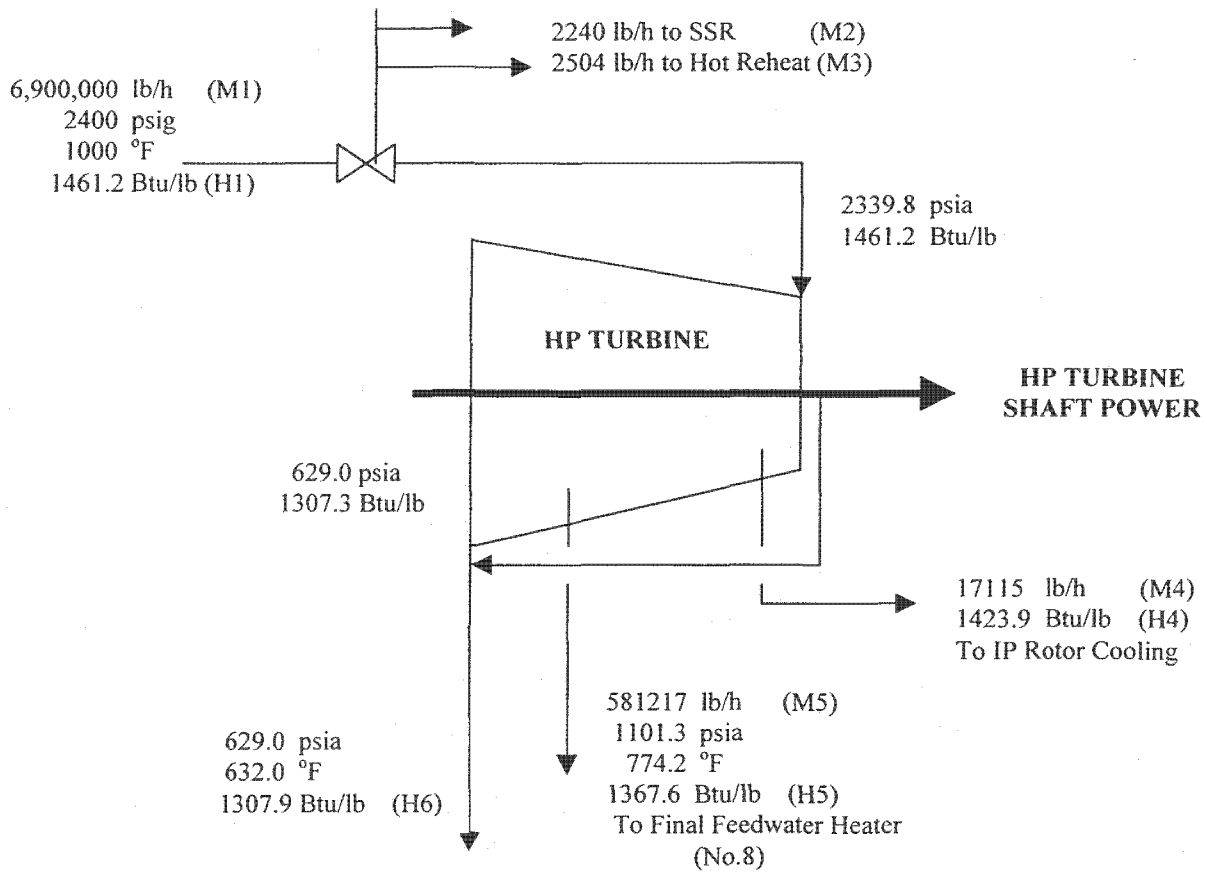
INTERMOUNTAIN UNIT 2

HP TURBINE UPGRADE

HP POWER AND EFFICIENCY



HP TURBINE EFFICIENCY
including Valves
(1997 Steam Tables)

$$= \frac{H1 - H6}{H1 - H6'} \times 100 = 92.2\ \%$$

HP TURBINE SHAFT POWER
(1% Feedwater make-up assumed)

$$= \frac{(M1-M2-M3) \times (H1-H6) - M4 \times (H4-H6) - M5 \times (H5-H6)}{3412.14 \times 1000}$$

$$= 299.0\ MW$$