Non-adiabetic turbine

How is the power output affected by a non-adiabatic turbine in a simple Rankine cycle?

Answer: B.

Explanation: $\dot{Q}_{out}$ increases, therefore the efficiency of the cycle will decrease. $\eta = \dfrac{\dot{W}_{net}}{\dot{Q}_{in}} = 1 - \dfrac{\dot{Q}_{out}}{\dot{Q}_{in}}$