

At a power plant, 5,000 tons of coal is burned daily. For every pound of coal, a thermal energy of 10,000 Btu is produced. Given the relationship $1 \text{ Btu/hr} = 0.2930 \text{ W}$, and assuming 100% efficiency at the plant, calculate in Megawatts (MW), the power at the plant's output.

- a. Power = 1,810 MW
- b. Power = 1,210 MW
- c. Power = 1,510 MW
- d. Power = 1,310 MW