BEFORE WE GO ON: UNITS

POWER

SI = Watt = J/s

Other units – see white board:

kW, GW, TW

(for Kilo- 10^3,

Mega- 10^6

giga- 10^9,

tera- 10^{12})

BTU

QUADS (10^{15} BTUs)

ENERGY

SI = J = power-time

Or Watt-s

Or what you are used to getting billed for:

kWh @ ~0.11/kWh

CARBON

Gt C = Gt CO2/3.67
(mass 44/mass 12 C)
32.7/3.67 = 8.91 Gt C