

A) World Energy Use v. B) Relative Economic Efficiency

IEA world Tbtu eq & Relative GDP/btu
w/ fitted exp. curves

Doubling in 23 yr

$$y = 25.683e^{0.031x}$$

Doubling in 37 yr

$$y = 62.524e^{0.0187x}$$

1970

1980

1990

2000

2010

◆ World Tbtu eq
— Expon. (World Tbtu eq)

■ Scaled Efficiency \$/btu
— Expon. (Scaled Efficiency \$/btu)

800

700

600

500

400

300

200

100

0