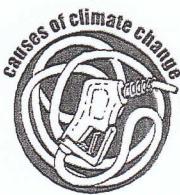


activity

POWER TO THE PEOPLE

Part B – Energy Use in Our Daily Lives



NAME Mr. L

CLASS _____

TEACHER Me

DATE _____

2

Worksheet

ENERGY USE LOG

Appliance or Item	Power in kilowatts (kW) ¹	Hours item used each day (hr)	Daily energy use ² (kW-hr)	Annual energy use (kW-hr/yr) ³	Annual energy cost (\$/yr) ⁴	Ideas for how to reduce energy use from this item
Elmo Camera	28.5 Watts					Students can wait with this part and complete at school
						When completing this log, please record Power in
						Watts instead of kilowatts
						List at least 6 items or appliances
						Use the Kill-a-Watt meter to find energy use

¹

² [1 Power conversion formulas: watts ÷ 1000 = kilowatts; horsepower (hp) × 0.746 kW/hp = kilowatts; amps × volts ÷ 1000 = kilowatts

³ [2 Daily energy use formula: power (kW) × hours used per day = daily energy use (kW-hr/day)

⁴ [3 Energy use/year formula: daily energy use (kW-hr/day) × 365 days/yr = annual energy use (kW-hr/yr)

⁴ [4 Energy cost per year formula: annual energy use (kW-hr/yr) × energy cost from bill (\$/kW-hr) = annual energy cost (\$/yr)