APPALACHIAN POWER | TAKE CHARGE™

An AEP Company

How much energy do you use?

1

Find the daily energy consumption using the following formula:

(Wattage x Hours Used Per Day) ÷ 1000 = Daily Kilowatt-hour (kWh) consumption

2

Find the annual energy consumption using the following formula:

Daily kWh consumption x number of days used per year = annual energy consumption

3

Find the annual cost to run the appliance using the following formula:

Annual energy consumption x utility rate per kWh = annual cost to run appliance

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EXAMPLE 1: PLAYSTATION 5

The estimated cost of playing a PS5 for two hours a day, 365 days a year.

1. **Daily energy consumption:**
   (350 W × 2) ÷ 1,000 = .70 kWh
2. **Annual energy consumption:**
   .70 kWh × 365 = 255.5 kWh
3. **Annual cost: The utility rate is 12 cents per kWh.**
   255.5 kWh × $0.16/kWh = **$40.88/year**

EXAMPLE 2: DEHUMIDIFIER

The estimated cost of running a dehumidifier for 12 hours a day, 365 days a year.

1. **Daily energy consumption:**
   (600 W × 12) ÷ 1,000 = 7.2 kWh
2. **Annual energy consumption:**
   7.2 kWh × 365 = 2,628 kWh
3. **Annual cost: The utility rate is 12 cents per kWh.**
   2,628 kWh × $0.16/kWh = **$420.48/year**

At an average West Virginia utility rate of $0.16 kWh/hour. Wattage values are samples only, actual wattage of products varies depending on product age, features and settings. Estimates pulled from the calculator at energy.gov.