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
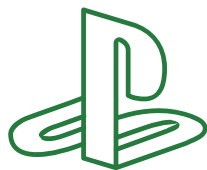
EXAMPLE 1: PLAYSTATION 5

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 × $0.12/kWh = **$30.66/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 × $0.12/kWh = **$315.36/year**

At an average Virginia utility rate of $0.12 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.

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