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: LCD TV

The estimated cost of running an LCD television 6 hours a day, 7 days a week.

1. **Daily energy consumption:**
   (149.58 W × 6) ÷ 1,000 =.8975 kWh
2. **Annual energy consumption:**
   .8975 kWh × 365 = 327.6 kWh
3. **Annual cost: The utility rate is 14 cents per kWh.**
   327.6 kWh × $0.14/kWh = $45.86

Does a TV draw standby power?
Yes! An LCD TV draws power from the grid even when it's turned off.

4. **Annual standby energy consumption:**
   42.05 kWh
5. **Annual standby cost:**
   42.05 kWh x $0.14/kWh = $5.89

TOTAL COST: $51.75

EXAMPLE 2: CEILING FAN

The estimated cost of running a ceiling fan 24 hours a day, 365 days a year.

1. **Daily energy consumption:**
   (34.9 W × 24) ÷ 1,000 = .83769 kWh
2. **Annual energy consumption:**
   .84 kWh × 365 = 305.76 kWh
3. **Annual cost: The utility rate is 14 cents per kWh.**
   305.76 kWh × $0.14/kWh = $42.81

Does a ceiling fan draw standby power?
When a device or appliance is in operation 24 hours a day, no standby power is calculated.

TOTAL COST: $42.81

Here's a Bright Idea

Calculate your energy usage at the QR code, or visit va.appliancecalculator.com

At an average Virginia utility rate of $0.14 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 va.appliancecalculator.com.