

## Sustainable Living



1. A wind turbine generates 2400 kilowatt-hours of electricity in 30 days. Calculate the unit rate of energy generation in kilowatt-hours per day.
2. A solar panel installation produces 500 megawatt-hours of electricity in 10 months. Determine the unit rate of electricity production in megawatt-hours per month.
3. An electric car can travel 320 kilometers on a single charge. Calculate the unit rate of travel distance in kilometers per kilowatt-hour of electricity used.
4. A community's hydroelectric dam generates 15,000 megawatt-hours of clean energy in a year. Determine the unit rate of energy generation in megawatt-hours per year.
5. A biofuel plant produces 2000 gallons of biofuel in 5 days. Calculate the unit rate of biofuel production in gallons per day.
6. A geothermal power plant generates 60 megawatt-hours of electricity in 24 hours. Determine the unit rate of energy generation in megawatt-hours per day.
7. A homeowner's rooftop solar panels produce 800 kilowatt-hours of electricity in 20 days. Calculate the unit rate of electricity production in kilowatt-hours per day.
8. A city's wind farm generates 5000 megawatt-hours of energy in 50 days. Determine the unit rate of energy generation in megawatt-hours per day.
9. A school's solar installation produces 400 kilowatt-hours of electricity in 10 days. Calculate the unit rate of electricity production in kilowatt-hours per day.
10. An electric bike can travel 30 kilometers on a single charge. Determine the unit rate of travel distance in kilometers per kilowatt-hour of electricity used.