

Monthly Electricity Bill Calculator

Models a monthly electric bill from kWh, energy rate, demand charge, fixed charge, and taxes while keeping tariff-specific adjustments outside the result.

Generated October 10, 2026

<https://www.elecatrrix.com/power-energy-cost/monthly-electricity-bill-calculator/>

Inputs

Input	Value	Unit
Monthly energy	1000	kWh
Energy rate	0.16	\$/kWh
Fixed monthly charge	20	\$
Billing demand	25	kW
Demand charge	12	\$/kW
Tax and fee percent	8	%

Results

Result	Value	Unit
Energy charge	160	\$
Demand charge	300	\$
Subtotal before tax	480	\$
Taxes and fees	38.4	\$
Estimated bill	518.4	\$
Effective rate	0.5184	\$/kWh

Calculation details

Detail	Value	Unit
Calculation basis	Energy charge is monthly kWh multiplied by the entered rate. Demand charge is billing demand multiplied by the demand rate. Taxes and fees apply to the subtotal.	

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Billing boundary

Screening estimate only; no tiered pricing, time-of-use schedule, net metering, minimum bill, rider, credit, or utility statement reconciliation is made by this calculator.

Formulas

$$C_{\text{energy}} = E_{\text{month}} \times r_{\text{kWh}}$$

$$C_{\text{demand}} = P_{\text{demand}} \times r_{\text{kW}}$$

$$C_{\text{subtotal}} = C_{\text{energy}} + C_{\text{fixed}} + C_{\text{demand}}$$

$$C_{\text{taxes}} = C_{\text{subtotal}} \times \frac{F_{\text{tax}}}{100}$$

$$C_{\text{bill}} = C_{\text{subtotal}} + C_{\text{taxes}}$$

Warnings and limitations

This bill estimate uses entered rates, demand, and fixed charges only. It does not model tiered pricing, time-of-use periods, net metering, minimum bills, riders, credits, or meter-specific billing rules.