

Time of Use Electricity Cost Calculator

Estimate time-of-use energy charges from peak, shoulder, and off-peak usage, period rates, and a fixed charge, with total usage and effective rate shown separately.

Generated October 10, 2026

<https://www.elecatrix.com/power-energy-cost/time-of-use-electricity-cost-calculator/>

Inputs

Input	Value	Unit
Peak kWh	300	kWh
Peak rate	0.25	\$/kWh
Shoulder kWh	200	kWh
Shoulder rate	0.18	\$/kWh
Off-peak kWh	500	kWh
Off-peak rate	0.1	\$/kWh
Fixed charge	20	\$

Results

Result	Value	Unit
Peak cost	75	\$
Shoulder cost	36	\$
Off-peak cost	50	\$
Energy cost	161	\$
Total kWh	1000	kWh
Total bill	181	\$
Effective rate	0.181	\$/kWh

Status

Status	Value	Unit
Effective-rate comparison	Effective rate calculated from total energy	

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Calculation details

Detail	Value	Unit
Calculation basis	Each period cost equals period kWh multiplied by its rate. The total bill adds the fixed charge and the effective rate divides the bill by total kWh.	
Boundary	Screening estimate only; no demand charge, tax rider, credit timing, tier reset, or special tariff rule is made by this calculator.	

Formulas

Peak cost = Peak kWh x Peak rate

Shoulder cost = Shoulder kWh x Shoulder rate

Off-peak cost = Off-peak kWh x Off-peak rate

Total energy = Peak kWh + Shoulder kWh + Off-peak kWh

Total bill = Energy cost + Fixed monthly charge

Effective rate = (Total bill/Total energy)quadwhen total energy is positive; otherwise N/A

Warnings and limitations

This time-of-use estimate uses entered period energy and rates only. It does not model demand charges, tax riders, credit timing, tier resets, or special utility billing rules.