

Energy Savings Calculator for Replacing Light Bulbs

	Incandescent Light Bulbs	CFL (Compact Fluorescent Light Bulbs)	LED (Light-Emitting Diode Light Bulbs)
Life Span (in hours)	1,500	10,000	60,000
Watts	60	14	6
Cost	\$1.345	\$2.98	\$54.95
KWh of electricity used over 60k hours	3,600	840	360
Electricity Cost (@ \$0.13 per KWh)	\$468.00	\$109.20	\$46.80
Bulbs needed for 60k hours of usage	40	6	1
Equivalent 60k hour bulb expense	\$53.80	\$17.88	\$54.95
Total 60,000 Hour Lighting Spend	\$521.80	\$127.08	\$101.75

Calculate Your Energy Savings

# of household light bulbs	30	30	30
Your estimated daily usage (hours)	5	5	5
Days in month	30	30	30
<i>Household savings over 60,000 hours (energy + replacement)</i>			
Household cost	\$15,654.00	\$3,812.40	\$3,052.50
Savings by switching from Incandescent	\$0.00	\$11,841.60	\$12,601.50
<i>Monthly household energy savings</i>			
KWh used per month	270	63	27
Electricity Cost (@ \$0.13 per KWh)	\$35.10	\$8.19	\$3.51
Savings by switching from Incandescent	\$0.00	\$26.91	\$31.59
<i>Yearly household energy savings</i>			
KWh used per year	3,285	767	329
Electricity Cost (@ \$0.13 per KWh)	\$427.05	\$99.65	\$42.71
Savings by switching from Incandescent	\$0.00	\$327.41	\$384.35

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blue font = input your personal data here

black font = pre-calculated cells

underlined text = where to buy / product info

KWh = Kilowatt-hours

Choose KWh rate type: *

* change the data on the next tab.

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1 = Average rate

2 = Highest rate