

ENERGY USAGE/PAYBACK CALCULATOR FOR A/C UNIT

Note: The calculator can be used to analyse SEER or EER. However, please analyse each efficiency (Enter your data in Yellow Tab for analysis)

Existing:

Capacity	20.00	Ton
Cooling Efficiency	10.3	SEER/EER
# of A/C Units	1	

New:

Capacity	20.00	Ton
Cooling Efficiency	26.0	SEER/EER
# of A/C Units	1	

Energy Cost (Peak)	\$0.12	per Kwh
Energy Cost (Off Peak)	\$0.12	per Kwh
Rate of Inflation	3.2%	

Annual hours of Operation (Cooling-Peak)	800	Hours
Annual hours of Operation (Cooling-Off Peak)	1,600	Hours
Annual hours of Operation (Heating-Peak)	400	Hours
Annual hours of Operation (Heating-Off Peak)	600	Hours

Cost to upgrade A/C Unit (including installation)	\$30,000.00	per A/C Unit
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RESULTS:

	Existing	New
Annual Energy Use (Kwh)	55,922	22,154
Annual Energy Cost	\$6,711	\$2,658
Lifetime Energy Cost	\$126,657	\$50,176

Annual Energy Savings	\$4,052
Lifetime Energy Savings	\$76,481

Payback	5.88	years
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