



### Life Cycle Cost Estimate for 1 ENERGY STAR Qualified Central Air Conditioner(s)

This energy savings calculator was developed by the U.S. EPA and U.S. DOE and is provided for estimating purposes only. Actual energy savings may vary based on use and other factors.

Enter your own values in the gray box using the map.

Full-Load Cooling Hours for Selected Location

Follow the link and find your location on the map to determine your cooling load hours, enter this value in the box on the left.

Enter your own values in the gray boxes or use our default values.

Number of units

Electric Rate (\$/kWh)

	ENERGY STAR Qualified Unit	Conventional Unit
Initial Cost per Unit (estimated retail price with installation)**	<input type="text" value="\$1,219"/>	<input type="text" value="\$1,126"/>
Seasonal Energy Efficiency Ratio (SEER) rating	<input type="text" value="14"/>	<input type="text" value="8"/>
Cooling Capacity of Air Conditioner (Btu/hr)	<input type="text" value="3 ton"/>	<input type="text" value="3 ton"/>
Use with programmable Thermostat (Yes/No)	<input type="text" value="Yes"/>	<input type="text" value="No"/>

\*\*Prices represent equipment cost only and do not include installation. Customers should contact their contractor for a customized quote.

### Annual and Life Cycle Costs and Savings for 1 Central Air Conditioner(s)

	1 ENERGY STAR Qualified Units	1 Conventional Units	Savings with ENERGY STAR
<b>Annual Operating Costs<sup>†</sup></b>			
Energy cost	\$184	\$383	\$199
<i>Energy consumption (kWh)</i>	1,080	2,250	1,170
Maintenance cost	\$0	\$0	\$0
<b>Total</b>	<b>\$184</b>	<b>\$383</b>	<b>\$199</b>
<b>Life Cycle Costs<sup>†</sup></b>			
Operating costs (energy and maintenance)	\$1,939	\$4,040	\$2,101
Energy costs	\$1,939	\$4,040	\$2,101
<i>Energy consumption (kWh)</i>	15,120	31,500	16,380
Maintenance costs	\$0	\$0	\$0
Purchase price for 1 unit(s)	\$1,219	\$1,126	-\$93
<b>Total</b>	<b>\$3,158</b>	<b>\$5,166</b>	<b>\$2,008</b>
		Simple payback of initial additional cost (years) <sup>†</sup>	<b>0.5</b>

\* Annual costs exclude the initial purchase price. All costs, except initial cost, are discounted over the products' lifetime using a real discount rate of 4%. See "Assumptions" to change factors including the discount rate.

† A simple payback period of zero years means that the payback is immediate.

### Summary of Benefits for 1 Central Air Conditioner(s)

Initial cost difference	\$93
Life cycle savings	\$2,101
Net life cycle savings (life cycle savings - additional cost)	\$2,008
Simple payback of additional cost (years)	0.5
Life cycle energy saved (kWh)	16,380
Life cycle air pollution reduction (lbs of CO <sub>2</sub> )	25,143
Air pollution reduction equivalence (number of cars removed from the road for a year)	2
Air pollution reduction equivalence (acres of forest)	3
Savings as a percent of retail price	165%