



United States Department of Agriculture  
Natural Resources Conservation Service

# Energy Self Assessment

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## Step 4: Analysis

### What does the output tell me?

The program calculates the amount of light generated from each lamp type selected and then calculates the energy savings potential if an appropriate LED lamp was used to produce the same amount of light. The energy savings value is listed in the summary table. The summary table lists the estimated baseline energy use and the energy use for three types of high efficiency LED lamp / fixtures that are recommended for use in agricultural facilities. If there is a value listed in the table under the lamp type, then it would be an appropriate replacement lamp. If the value is zero, then this is not an appropriate replacement. If all the values are zero, then the lamp is already a high efficiency lamp. The maximum potential savings column selects the highest energy savings from the row and then sums the column to indicate the total potential energy savings.





### Estimated Annual Cost Savings in \$ USD/Yr

Location	Current Fixture Type	Current Annual Cost	LED A-type Lamps	Linear LED Lamps	High Bay LED Lamps	Potential Maximum Savings
		\$/yr	Cost savings per year (\$)			
Shop	Incandescent - 150W	8	6	7	0	7
Farm Building	Mercury Vapor - 175W	101	0	76	77	77
Shed	T-8 2-bulb x 4 ft	4	0	2	0	2
Office	Compact Fluorescent - 60W - 2 inch	3	1	1	1	1
<b>Total Lighting Cost (\$/yr)</b>		<b>\$116</b>				

Value of "0" indicates "No Savings" or it's not a recommended replacement.

**Potential Total Savings**

**\$87**

**Potential Percent Savings**

**75%**