



# Energy Formula and Worksheet available *free* at:

[www.EnergyHandyman.com/knowledge-library](http://www.EnergyHandyman.com/knowledge-library)

## Electric (NC Specific)

Take or Estimate the sum of 12, 24 or 36 consecutive electric bills to get the Annual Electric Total .

AET: \_\_\_\_\_ (only one year) or Average Annual Electric Total, AAET: \_\_\_\_\_

(An average of multiple years is good.)

Then, Average the lowest 3 bills and multiply by 12 get your Annual Plug Load \_\_\_\_\_

Subtract **Annual Plug Load** from the **Annual Electric Total** to get your Annual EHVAC Cost \_\_\_\_\_

SHS estimates that we could reduce your **Electric HVAC** costs by \_\_\_\_\_%

Your Estimated Annual Electrical Savings: \_\_\_\_\_

## Gas

Take the sum of 12 consecutive gas bills to get the Annual Gas Total or **AGT** \_\_\_\_\_

(An average of multiple years is good.)

Take the **lowest gas bill** (with the current water heater, if applicable) to get Baseline Gas or **BG** \_\_\_\_\_

(Analyze your numbers noting that the number may have been affected by the efficiency of your water heater

or hot water usage) Subtract the baseline gas from the gas total to get your Annual Heating Cost \_\_\_\_\_

SHS estimates that we could reduce your **Heating Costs** by \_\_\_\_\_%

Your Estimated Annual Gas Savings: \_\_\_\_\_

## Misc. Items

- Your home has \_\_\_\_\_ potential for SOLAR WATER HEATING.

- A "Warm-LED-Ready" lighting upgrade could save the household up to:

or \_\_\_\_\_ could save: \_\_\_\_\_ per year / \_\_\_\_\_ per bulb .

- By recycling your extra freezer you could save \_\_\_\_\_ dollars annually.

## The " 72 " Rule

72 divided by the payback period = the rate of return. Or 72 divided by rate of return = payback period.

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