



**Muscatine
Power and Water**

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ENERGY EFFICIENCY HOME AUDIT FORM

Name _____

Address _____

Phone _____ Email _____

Here is your chance to find out how to save money, make your home more efficient and comfortable, while doing your part to preserve the environment!

1. Please describe the outside area surrounding your home:

- protected by buildings on sides
- protected from wind coming from the northwest
- faces south

2. How many square feet is your home? (length x width, all levels) _____

- Ranch
- 2-story
- Split Level

3. What year was your home built? _____

4. What kind of fuel do you use to heat your home? *(check all that apply)*

- Natural Gas
- Oil
- Electricity
- Wood
- Solar

5. Approximately how old is your heating system?

- Less than 5 Years
- 5-10 Years
- 11-20 Years
- 21-30 Years
- Over 30 Years

6. What are the primary ways you cool your home? *(check all that apply)*

- Central Air Conditioning
- Ceiling Fans
- Attic Fans
- Window Air Conditioning
- Standing Fans

7. If you have central air conditioning, approximately how old is your system?

- Less than 5 Years
- 5-10 Years
- 11-20 Years
- 21-30 Years
- Over 30 Years

8. What kind of fuel do you use to heat your water? *(check all that apply)*

- Natural Gas
- Oil
- Electricity
- Wood
- Solar

9. Approximately how old is your water heater?

- Less than 5 Years
- 5-9 Years
- 10-14 Years
- 15 Years or more

10. Do you have a basement?

- Yes
- No

11. Is your basement insulated?

- Yes
- No

If yes, what is the R-value of the insulation? _____

12. Are your sill plates insulated? (area at the end of the floor joist)

- Yes
- No

If yes, what is the R-value of the insulation? _____

13. Please describe the amount of insulation in the exterior walls of your home:

- Walls contain 6 inches of insulation
- Walls contain 3 inches of insulation
- No insulation in the outside walls

14. Please describe the amount of insulation in the upstairs ceiling or attic of your home:

- 12 inches or more
- 9 inches
- 6 inches
- None

15. Do you have any drafty rooms?

- Yes
- No

16. What kind of windows do you have? *(check all that apply)*

- Single Pane (one pane of glass)
- Double Pane (two panes of glass)
- Double Pane (low e glass)
- Double Pane with gas between panes

17. Does your home have storm windows and/or screen doors? *(check all that apply)*

- Storm Windows
- Screen Doors
- None

18. Please describe the condition of the exterior of your home:

- All windows and doors are weather-stripped and caulked
- Some windows and doors are weather-stripped and caulked
- No windows and doors are weather-stripped and caulked
- Caulking and weather-stripping needs replaced

19. At what temperature do you set your thermostat?

Summer _____

Winter _____

20. Do you have and use a set-back thermostat?

- Yes
- No

21. Does your home have fluorescent lighting?

- Yes -
 - No
- If yes, approximately what %? _____

22. Do you turn the lights off when leaving rooms in your home?

- Yes
- No

23. Does your home have a ridge vent and soffit vents?

- Yes
- No

24. What is the temperature setting on the water heater?

(An easy way to test this is to use a meat thermometer with some interpolation)

- 110-120
- 121-130
- 131-140
- 141-150+

25. Do you have an insulating blanket around your water heater?

- Yes
- No

26. Are the pipes coming out of your water heater insulated? (all of the hot, first 6 feet of the cold)

Yes

No

Please explain: _____

27. Are the seams of your furnace ducts taped or otherwise sealed?

Yes

No

28. What other information on energy efficiency would you like MP&W to provide?

29. What have you learned from this exercise?

NOTE 1: IF YOU COMPLETE THIS FORM AND SEND IT TO THE ADDRESS LISTED AT THE TOP OF THE FORM, MP&W WILL SEND YOU A COUPON FOR ONE FREE COMPACT FLUORESCENT BULB!

NOTE 2: TO STUDENTS COMPLETING AUDIT FOR SCHOOL PROJECT - Once you have completed the audit, return it to your teacher so you will be eligible for the prize drawing. Muscatine Power and Water Energy Services staff will evaluate your audit and send you our recommendations along with a coupon for one free compact fluorescent bulb!

The evaluation will include money-saving guidelines on recommended improvements. Recommendations may include other services offered by MP&W such as a complete energy audit or a blower door test.

On behalf of Muscatine Power and Water, I would like to thank you for taking the time to fill out this energy audit form.

Sincerely,

Paul J. Burback

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