Maquoketa Valley Electric Cooperative
Your Touchstone Energy® Cooperative

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MVEC Energy Assessment Process

Thank you for your commitment to improving your energy usage. In advance of the scheduled assessment with MVEC's Energy Advisor, here is a basic description of the process that your MVEC Energy Advisor will conduct:

BEFORE THE ONSITE ASSESSMENT

- MVEC Energy Advisor will collect detailed electrical usage history for the home (by pulling and reviewing usage and billing information from MVEC databases)
- MVEC Energy Advisor will review available information about the home, size, age, and construction. Some of this information will be loaded into the program that operates the blower door test.
- MVEC Energy Advisor will gather relevant brochures and rebate information that may be applicable to you, our member.

THE DAY OF THE ASSESSMENT

Note: Please plan to be present and allocate a total of 2-3 hours for the assessment.

MVEC Energy Advisor arrives and brings energy assessment equipment into the home

- We meet with at least one of the members for about 20-30 minutes to review historical usage information, gather more specific details about the house construction and major equipment/appliances, and most importantly, your main goal for having the assessment conducted.
- We then take photos of some of the appliances like the water heater, heating and air conditioning system, and other large energy users with member's permission.
- The blower door equipment is set up in an outside doorway. The test attempts to create a -50 Pascal pressure inside the home which is simulating a day when there is a 20 mph wind outside. The program will test at various pressures and generates a report on total air movement.

  A few notes:

  1. Any wood or gas stove should not be operating.
  2. The HVAC system is turned off and all windows and exterior doors are closed.
  3. Interior doors should be open.
  4. This whole process takes 30-45 minutes



MVEC Energy Assessment Process Continued

- When the test is complete, the blower door fan is set to a constant -50 Pascals and while this runs, the member and Energy Advisor walk around the home, noting areas of air leakage or cold spots. This can take 30-60 minutes.
- Once the thermal imaging is done, the blower door fan is shut off and removed from the doorway.
- The Energy Advisor will also attempt to look at insulation including the attic.
- All equipment is loaded up and any last questions the member would like to go over are discussed at this time. This could take approximately 5-15 minutes.



AFTER THE ASSESSMENT

A report is completed and sent to you within 15 business days, which includes the following:

- Historical usage information
- Blower door test report
- Thermal images
- Recommendations for improved energy efficiency
- Answers to any follow up questions the member may have





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