

Energy Audit Report

Homeowner: Me_test1

Address: Me_test1

Auditors: Rudolfs

Contact: mdicommunityenergy@coa.edu, 802 266 0301

Date: 22 July 2024

We conducted an energy assessment of your home on . This report will tell you what we did, what we found, and what we suggest for your home. These suggestions include information on incentives and financing to make improvements more affordable.



SM

Table of Contents

Here will be the table of contents

1. Summary of your Audit

1.1 Visual Inspection and Measurements

We started with a tour and visual inspection of the inside and outside of the home. We identified any visible damage to the building, moisture control strategies, major appliances, and insulation. We measured square footage and volume of the home, as well as the area of all exterior windows and doors. We used a kill-a-watt meter to measure the electricity use of some appliances. During your audit, we used a carbon monoxide meter to measure the ambient carbon monoxide levels throughout the home.

1.2 Attic

We entered the attic to check for insulation, air sealing, ventilation, and potential hazards such as mold. Additionally, we visually inspected the attic ventilation and any duct and pipework passing through the attic.

1.3 Basement

We visually inspected any appliances in the basement and noted insulation levels, moisture, rodents, and any other concerns.

1.4 Combustion Appliance Safety

We assessed combustion appliances that burn fossil fuels such as propane, heating oil, or kerosene. These include furnaces, boilers, water heaters, and gas ovens.

1.5 Blower Door / Air Leakage Test

We used a large fan in an exterior door to depressurize your house. This allows us to determine the volume of air leakage into the house and to locate bigger air leaks. To find leaks, we used an infrared camera to check for unusually hot and cold spots. We also checked the pressure differences of the rooms to help determine major air leak locations.

2. Summary of Recommendations

We recommend the following upgrades for your home. Detailed information about these recommendations and financial resources can be found in other sections of this report.

Recommendation	Description
EV+charger	Description of Recommendation
Kitchen exhaust fan	Description of Recommendation
Electrical Panel Upgrade	Description of Recommendation
Solar	Description of Recommendation
Spray Foam	Description of Recommendation
Gutters	Description of Recommendation
Wall Insulation	Description of Recommendation
Other	Description of Recommendation
Air Source Heat Pump	Description of Recommendation
Attic Insulation	Description of Recommendation
Vapor Barrier	Description of Recommendation
Bathroom exhaust fan	Description of Recommendation
Induction Stove	Description of Recommendation
Freezer	Description of Recommendation
Window Dressers	Description of Recommendation
Low-flow showerhead(s)	Description of Recommendation
Heat Pump Water Heater	Description of Recommendation
Refrigerator	Description of Recommendation
LEDs	Description of Recommendation

3. What We Found

3.1 Basics

Info	Values
Date Built	1988
Number of floors	2
Volume of conditioned space	2543
Square footage of conditioned space	4568
Thickness of the attic insulation (inches), at the thinnest location	4
Gallons of Propane	200
Cost in Dollars...91	1000
Foundation Type	Walk in
Attic insulation type	Batts of Fiberglass
Quality of attic insulation's installation? Assess worst part of installation.	Good
Ambient Carbon Monoxide reading	345, kitchen

3.2 Exterior

3.3 Interior/Living space

3.4 Blower Door / Air Leakage Test

A blower door test simulates a 20mph wind hitting your house. To run the test, we used a large fan in an exterior door to depressurize your house. This allows us to determine the volume of air leakage into the house and to locate bigger air leaks. To find leaks, we used an infrared camera to check for unusually hot and cold spots. We also checked the pressure differences of the rooms to help determine major air leak locations. Air leaks are a big source of heat gain in warm weather and heat loss in cold weather. They also allow moisture to get into the home. Below are some numbers, pictures, and descriptions explaining what we found.

Using a thermal imaging camera, we looked for major air leakage locations and thermal bridging, where heat is bypassing the insulation. There was evidence of ### 3.5 Attic ### 3.6 Basement ### 3.7 Electrical and Mechanical Systems ### 3.8 Energy Bills ## 4. Recommendations