

Energy Audit Report



Homeowner: Me_test1

Address: Me_test1

Auditors: Rudolfs DATE: 15 July 2024

Contact: mdicommunityenergy@coa.edy, 802 266 0301

We conducted an energy assessment of your home on 2024-05-25. 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.

Home's current conditions

Build: Year 2024

Volume: 3000 cubic feet

Area: 3000 square feet

Net wall area: 600 square feet

Ceiling/attic area: 1000 square feet

Ceiling height: 5 feet

Primary heating fuel: Oil

Secondary heating fuel:

Water heating fuel:

Window type: singlepaned

Window area: 200 square feet

Door type and area: no_idea, 300 square feet

Health and safety

Combustion Gas Spillage Test – FAILED (Emissions Spilled for 60 seconds)

Appliance Carbon Monoxide (CO) Test – PASSED(Detected 24parts per million)

Ambient Carbon Monoxide (CO) Test – PASSED (Detected 20 parts per million)

Combustion Appliance Draft Test – PASSED

Gas leak detection: FAILED, In the kitchen

Other Health & Safety Concerns: There were no further health and/or safety concerns that were identified at the time of your energy audit.

Air quality

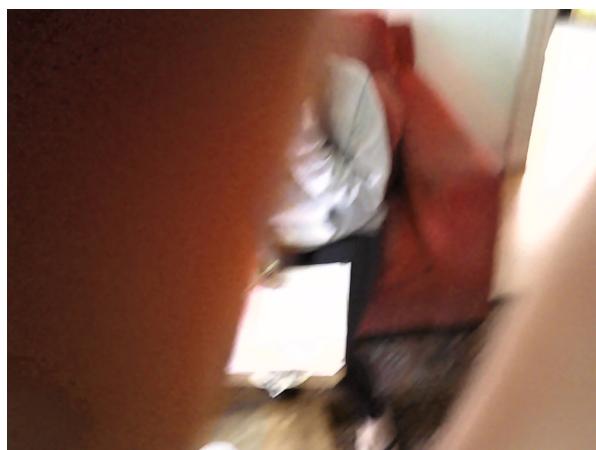
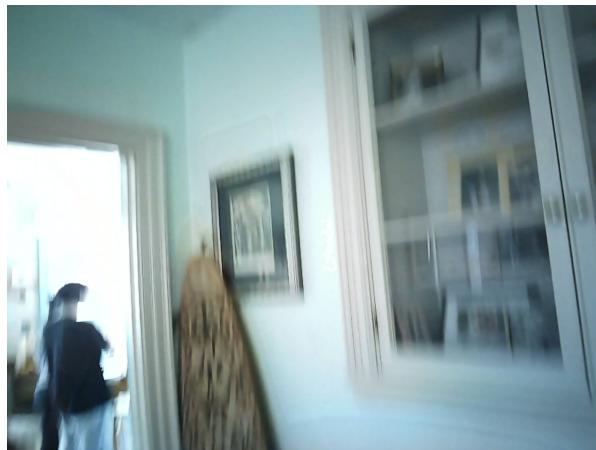
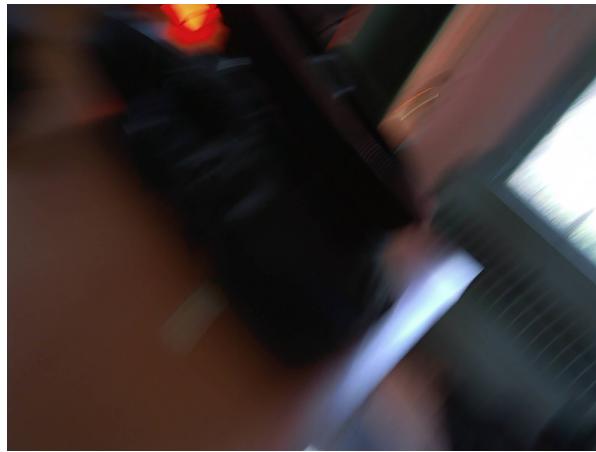
Insulation levels

HOME COMPONENT	YOUR HOME'S R-VALUES	US D.O.E. RECOMMENDED R-VALUES
Attics/Ceilings	40	60
Above Ground Walls	30	30
Basement Walls	50	19

source [U.S. Department of Energy, Pacific Northwest Laboratory](#)

Here are some picture of your insulation.

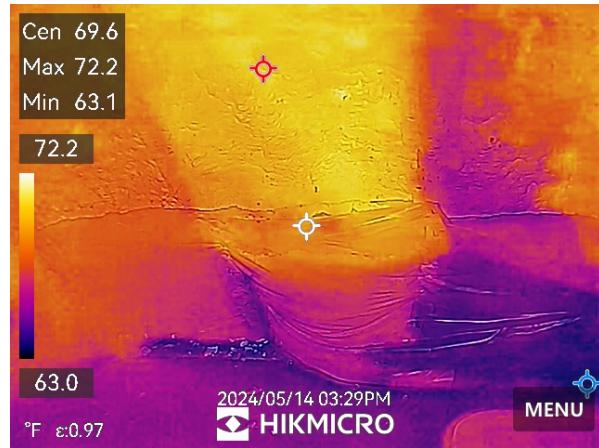




Images of the insulation pictures.

Blower Door / Air Leakage Test

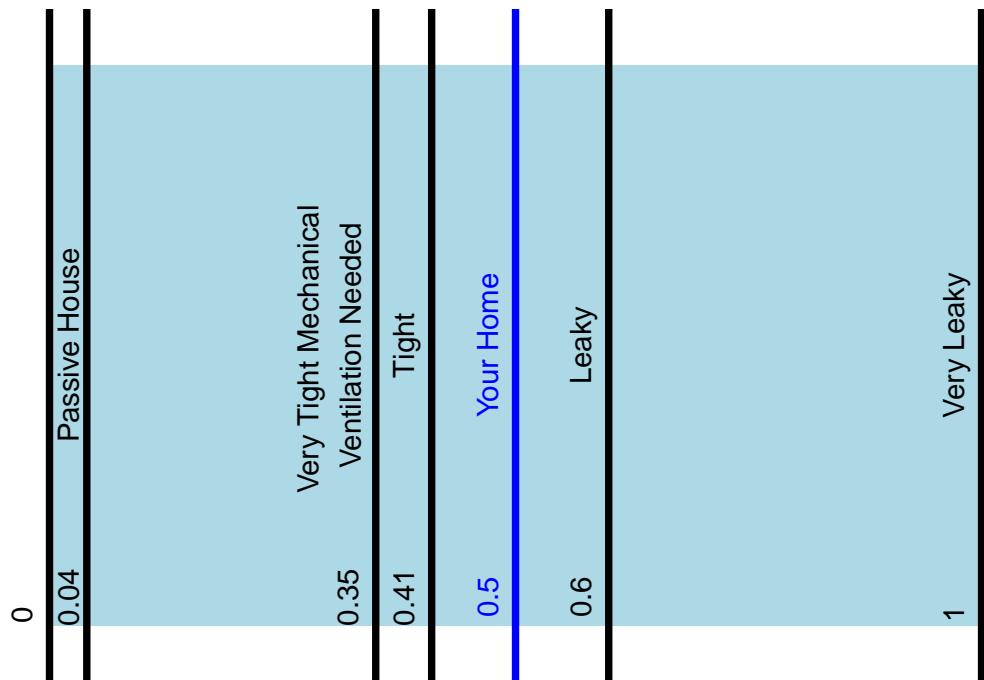
The blower door test, determined that your homes air leakage rate is 0.5Natural Air Changes per Hour(ACHn) (Should I explain what ACHn is?) CFM50 was 500 with A ring used. (Include photo)



There was a significant hole in the further rooms closet into the attic

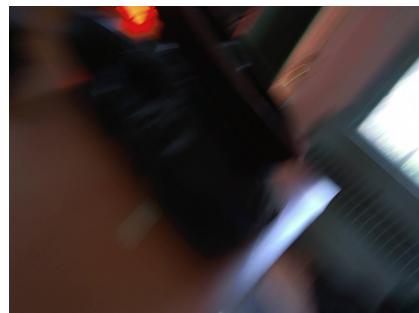
Your Building on the scale

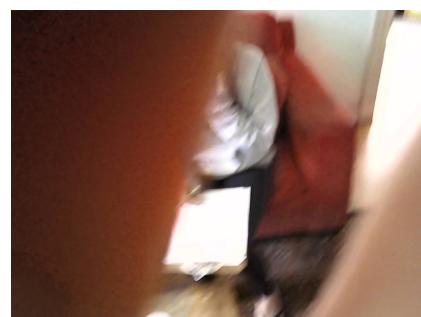
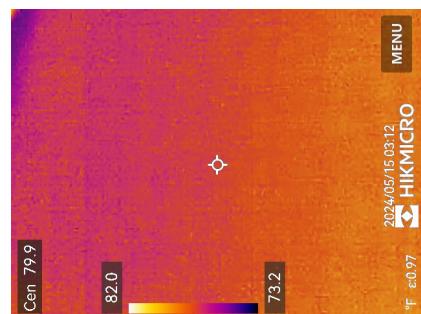
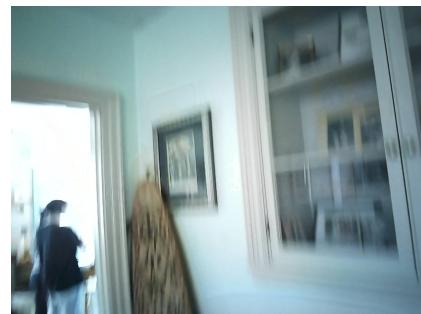
This scale shows how is your building compare to air leakage standards. Where being closer to zero providing with the best energy saving.



The blower door test and visual inspection detected the following areas for moderate to severe air leakage:

(This would be pictures)





Heating and Cooling Systems

(Image of heating system) Your home is currently heated with an Oil Your current heating system has the following efficiency and output ratings:

- Heating efficiency = 50
- Annual Fuel Utilization Efficiency (AFUE)(need a new column here)
- Heating output = 3000 Btu/hr.

Your home is cooled with (need new column for cooling type) r code here. (I need conditional rendering here) The size, construction, and energy consuming features of your home have all been factored into the calculation of the heating and cooling loads for your home:

- Heating load = 2000 Btu/hr
- Cooling load = 1000Btu/hr

It is important to make sure that a new heating/cooling system is designed to meet the heating and cooling loads of your home. And please keep in mind that any changes to your home (i.e. – air sealing, insulating, etc...) will ultimately decrease your heating load and can lead to saving money on a new heating system by enabling you to purchase a system with a lower energy output.

Buildings Electricity use

Energy Bill analysis

