

ASSESSMENT DATE: FEBRUARY 5, 2025

Ann Arbor MI 48104

SCORE TODAY **3**



SCORE TODAY	
Estimated annual energy cost:	<b>\$2816</b>
Score basis:	<b>193 MBtu</b>

SCORE WITH IMPROVEMENTS	
Estimated annual energy cost:	<b>\$2513</b>
Score basis:	<b>165 MBtu</b>

The U.S. Department of Energy's Home Energy Score assesses the energy efficiency of a home based on its structure and heating, cooling, and hot water systems. For more information visit [HomeEnergyScore.gov](https://www.homeenergyscore.gov).

## This Home...

**\$**  
COULD SAVE  
**\$302.45**  
EACH YEAR  
ON ENERGY COSTS

**🌿**  
COULD ELIMINATE  
**14%**  
OF CO2 EMISSIONS WITH  
COST-EFFECTIVE UPGRADES

This home is expected to use **141.91 kBtu / sq.ft.** and cost **\$1.17 / sq.ft.**

## Estimated Energy Use TODAY:



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## Home Facts

The Home Energy Score's Home Facts includes details about the home's current structure, systems, and estimated energy use. For more information about how the score is calculated, visit our website at [HomeEnergyScore.gov](https://HomeEnergyScore.gov).

## About This Home



### HOME CONSTRUCTION

Year built	1972
Number of bedrooms	3
Stories above ground level	1
Interior floor-to-ceiling height	8 ft
Conditioned floor area	2400 ft <sup>2</sup>
Direction faced by front of house	West
Dwelling Type	Single Family Detached
Air sealed?	No

### ASSESSMENT

Type	TEST
Assessor name	MI-A2GOV-0002
Scoring tool version	2024.1.0
External building ID	HERD-00000-2025

## Estimated Annual Energy Use



### ENERGY COSTS

This home's annual energy cost estimate	\$2816
This home's energy cost per square foot	\$1.173 / ft <sup>2</sup>
Electricity rate	\$0.140 / kWh
Natural gas rate	\$0.778 / therm
Comparable Reference energy cost estimate*	\$3222

### ENERGY USE BY TYPE

Total	193 MBtus
Score basis	131 MBtus
Energy use per square foot	142 kBtu / ft <sup>2</sup>
Electricity	9355 kWh
Natural gas	1100 therms

### DEFINITIONS & CONVERSIONS

MBtu	Million British thermal units; generic energy unit
kBtu	Thousand British thermal units; generic energy unit
kWh	Kilowatt-hour; electricity unit
Therm	100,000 Btu; heat energy unit
Electricity conversion	1 MBTU = 293 kWh
Heat conversion	1 MBTU = 10 therms

\*Reference number for similar homes for appraisers to assess efficiency value

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## Roof / Attic



<u>ROOF / ATTIC 1</u>	
Attic floor area	1200 ft <sup>2</sup>
Roof construction	Standard Roof / Composition Shingles or Metal / R-0
Roof color	Medium Dark
Attic / ceiling type	Unconditioned Attic
Attic floor insulation	R-15

## Foundation



<u>FOUNDATION / FLOOR 1</u>	
Floor area	1200 ft <sup>2</sup>
Foundation type	Conditioned Basement
Floor walls insulation	R-0

## Walls



<u>WALL CONSTRUCTION</u>	<u>TYPE / EXTERIOR FINISH</u>	<u>INSULATION VALUE</u>
Front	Wood Frame(Exterior Wall / Vinyl Siding)	R-0
Back	Wood Frame(Exterior Wall / Vinyl Siding)	R-0
Right	Wood Frame(Exterior Wall / Vinyl Siding)	R-0
Left	Wood Frame(Exterior Wall / Vinyl Siding)	R-0



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## Windows & Skylights



<u>WINDOW AREA</u>				
Front	30 ft <sup>2</sup>			
Back	45 ft <sup>2</sup>			
Right	20 ft <sup>2</sup>			
Left	20 ft <sup>2</sup>			
<u>WINDOW CONSTRUCTION</u>	<u>PANES</u>	<u>FRAME</u>	<u>GLAZING</u>	<u>SOLAR SCREEN</u>
Front	Double	Wood or vinyl	Clear	No
Back	Double	Wood or vinyl	Clear	No
Right	Double	Wood or vinyl	Clear	No
Left	Double	Wood or vinyl	Clear	No
<u>SKYLIGHTS ROOF / ATTIC 1</u>				
Present?	No			

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## Systems



### HVAC SYSTEM 1

Percent conditioned area served	100%
Heating type	Central gas furnace
Heating efficiency value	82% AFUE
Cooling type	Central air conditioner
Cooling efficiency value	10 SEER
Duct system sealed	No

### Duct Location

Conditioned space No

### Percent of Ducts in this Location

100%

### HOT WATER

System type	Natural gas storage
Efficiency value	0.55EF

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## Recommendations

The Home Energy Score's Recommendations show how to improve the energy efficiency of the home to achieve a higher score and save money. All together, these improvements are estimated to pay back in about ten years based on national average installation costs; items marked with a ★ are modeled to pay back in ten years or less on their own. When making energy related upgrades, homeowners should consult with a certified energy professional or other technically qualified contractor to ensure proper sizing, installation, safety, and adherence to code. Learn more at [HomeEnergyScore.gov](https://www.HomeEnergyScore.gov).

## Recommended Improvements



**REPAIR NOW.** These improvements will save you money, conserve energy, and improve your comfort.

- ▶ Air tightness: Have a professional seal the gaps and cracks that leak air into your home to save **\$73** / year
- ▶ Exterior wall (Back): Insulate to at least R-13 to save **\$58** / year

**REPLACE LATER.** These improvements will help you save energy when it's time to replace or upgrade.

- ▶ Central furnace (Hvac 1): Pick one with an ENERGY STAR label to save **\$139** / year ★
- ▶ Central air conditioner (Hvac 1): Pick one with an ENERGY STAR label to save **\$55** / year ★

## Comments

