

**Sample Report**  
Denver CO 80218

SCORE TODAY **1**

YEAR BUILT: 1916  
CONDITIONED FLOOR AREA: 4,558 FT<sup>2</sup>

CO Average Home Score



SCORE TODAY		SCORE WITH IMPROVEMENTS	
Estimated annual energy cost:	<b>\$3,355</b>	Estimated annual energy cost:	<b>\$3,182</b>
Score basis:	<b>218</b> MBtu	Score basis:	<b>197</b> MBtu

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](http://HomeEnergyScore.gov).

## This Home...

**CURRENTLY WASTES**  
**10%**  
OF ENERGY ON INEFFICIENCIES

**COULD SAVE**  
**\$173**  
EACH YEAR ON ENERGY COSTS

**COULD ELIMINATE**  
**5%**  
OF CO<sub>2</sub> EMISSIONS WITH COST-EFFECTIVE UPGRADES

## Estimated Energy Use

Electricity Natural gas

TODAY:

14,312 kWh

1,810 therms

WITH IMPROVEMENTS:

14,327 kWh

1,613 therms

## 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](http://HomeEnergyScore.gov).

## About This Home



### ASSESSMENT

Type	Corrections included
Assessor name	CO-DNVR-0004
Scoring tool version	v2017

### HOME CONSTRUCTION

Year built	1916
Number of bedrooms	4
Stories above ground level	2
Interior floor-to-ceiling height	8 ft
Conditioned floor area	4,558 ft <sup>2</sup>
Direction faced by front of house	North
Air sealed?	No

## Estimated Annual Energy Use



### ENERGY BY TYPE

Total	325 MBtus
Score basis	218 MBtus
Energy use per square foot	50 kBtu / ft <sup>2</sup>
Electricity	14,312 kWh
Natural gas	1,810 therms

### ENERGY COST ESTIMATES

Total annual energy costs	\$3,355
Energy cost per square foot	\$0.74 / ft <sup>2</sup>
Electricity	\$0.119 / kWh
Natural gas	\$0.782 / therm

### 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

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## Roof / Attic



<u>ROOF / ATTIC 1</u>	
Attic floor area	1,604 ft <sup>2</sup>
Roof construction	Standard / Clay Tile / R-0
Roof color	Medium dark
Attic / ceiling type	Unconditioned attic
Attic floor insulation	R-30

## Foundation



<u>FOUNDATION / FLOOR 1</u>	
Floor area	1,478 ft <sup>2</sup>
Foundation type	Conditioned basement / R-0
Foundation walls insulation	R-0
 <u>FOUNDATION / FLOOR 2</u>	
Floor area	126 ft <sup>2</sup>
Foundation type	Unvented crawlspace / R-0
Foundation walls insulation	R-11

## Walls



<u>WALL CONSTRUCTION</u>	<u>TYPE / EXTERIOR FINISH</u>	<u>INSULATION VALUE</u>
All	Structural brick	R-0

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## Windows & Skylights



WINDOW AREA

Front	139 ft <sup>2</sup>
Back	158 ft <sup>2</sup>
Right	86 ft <sup>2</sup>
Left	125 ft <sup>2</sup>

WINDOW CONSTRUCTION

All

PANES

Double

FRAME

Wood or vinyl

GLAZING

Solar-control low-E

SKYLIGHTS ROOF / ATTIC 1

Present? No

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## Systems



### HVAC SYSTEM 1

Percent conditioned area served	100%
Heating type	Gas boiler
Heating efficiency value	78% AFUE
Cooling type	Central air conditioner
Cooling efficiency value	12.1 SEER

### DUCT SYSTEM 1    INSULATED?    SEALED?    PERCENT OF DUCTS IN THIS LOCATION

Unconditioned attic	Yes	Yes	100%
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### HOT WATER

System type	Natural gas storage
Efficiency value	0.55 EF

## 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. 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](http://HomeEnergyScore.gov).

## Recommended Improvements with a Payback of 10 years or Less



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

- ▶ Basement/crawlspace 2: Insulate the floor above unconditioned space to at least R-25 to save **\$15** / year

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

- ▶ Boiler 1: Pick one with an ENERGY STAR label to save **\$116** / year
- ▶ Water heater: Pick one with an ENERGY STAR label to save **\$38** / year

## Additional Recommendations & Comments



# Home Energy Score

## You've Read Your Score, Now What?

### NEW OWNERS

- **Like your Score?** Use this as a baseline and see how the house stacks up over the next few months once you have a better idea of your monthly use, energy costs and comfort level.
- **Low Score?** A variety of factors like size and windows simply mean the house is estimated to use more energy throughout the year. The scoring tool was created to rate existing homes so think of the score as “meeting homes where they are at” rather than saying all homes were built to a 10.
- **Unsure?** Take a deeper dive by assessing your energy use and costs to date in order to see what improvements make sense for you.

### BUYERS

- **Like your Score?** Use this as a baseline and see how the house stacks up over the next few months once you start living in it. The score is similar to a miles per gallon rating on a car. The car does not include actual miles until a driver takes the car on the road. The same concept applies here with a Home Energy Score rating.
- Ask the Seller for one year's worth of utility bills to see how much they spent on energy.
- **Low Score?** Based on your Score, you may have an opportunity to roll the cost of upgrades into your mortgage (and other financing options) before closing. Check with your lender. Be sure to use the recommendations provided to prioritize upgrades and start talking with licensed energy efficiency contractors about your options and cost-effective measures.

### SELLERS

- **Like your Score?** Use it to showcase the energy improvements you've already made and potentially increase the home's value by listing in the MLS.
- **Low Score?** If you expect your home to sit on the market longer, determine which cost-effective improvements will make your property more desirable before listing.
- **Unsure?** Share the Score with the buyer of your home so they have a roadmap of energy improvements to make down the line.

# LOCAL REBATES & PROGRAMS

**Residential Rebates:** Available through Xcel Energy visit: [https://www.xcelenergy.com/programs\\_and\\_rebates/](https://www.xcelenergy.com/programs_and_rebates/).

**Find Xcel Energy Qualified Contractors Here:** [http://216.15.245.52/xcel-co/public\\_search.cfm](http://216.15.245.52/xcel-co/public_search.cfm) (Trade Partner Resource Center) or call 1-800-895-4999. It is recommended you obtain 2-3 quotes in order to make the best decision for you and your home.

**Home Energy Squad:** Quick install home visit program through Xcel Energy. Includes weatherstripping for doors, LED lights and other low-cost measures for one set price. Call 303-446-7910 or visit [https://www.xcelenergy.com/programs\\_and\\_rebates/](https://www.xcelenergy.com/programs_and_rebates/).

**Home Smart:** Program through Xcel Energy to setup regular maintenance prolonging the life and efficiency of your equipment. [https://www.xcelenergy.com/programs\\_and\\_rebates/](https://www.xcelenergy.com/programs_and_rebates/).

**Thinking about going solar?** Resources can be found here: [www.Denvergov.org/solar](http://www.Denvergov.org/solar).

## STEPS TO TACKLE HOME ENERGY PROJECTS:

- Get a Home Energy Score.
- Choose improvements from the list of recommendations in this Score report.  
Need help deciding what to do first? Xcel Energy offers free Energy Advising and various rebates. [Click here](#) for more info, or call 303-446-7910 for advising.
- Obtain multiple bids and select a licensed contractor (**Verify contractor license [here](#)**)
- Explore financing options at [www.corenuloan.com](http://www.corenuloan.com)

## RECOMMENDATIONS IN THE SCORE

Recommendations are included if they are estimated to have a payback of 10 years or less in order to inform the most cost-effective upgrades for the property. This does not mean other improvements aren't possible, and asking your Assessor about other options post-score is a great idea if they haven't already noted them in your score report.

In order to generate this Score and recommendations, it is important to note there are certain assumptions built into the scoring tool so that homes can be compared to one another:

1. Number of rooms roughly equals number of people (*If this doesn't accurately reflect your situation, i.e. 2 people live in a 4 bedroom house, the Score may be overestimating usage reflected in your Score*)
2. State average utility rates (Electric \$0.122/kWh, Natural gas \$0.889/therm, Propane \$2.17/gal & Oil \$3.47/gal.
3. National average installation rates (*More info [here](#)*)



**ENVIRONMENTAL  
QUALITY**  
DENVER PUBLIC HEALTH  
& ENVIRONMENT

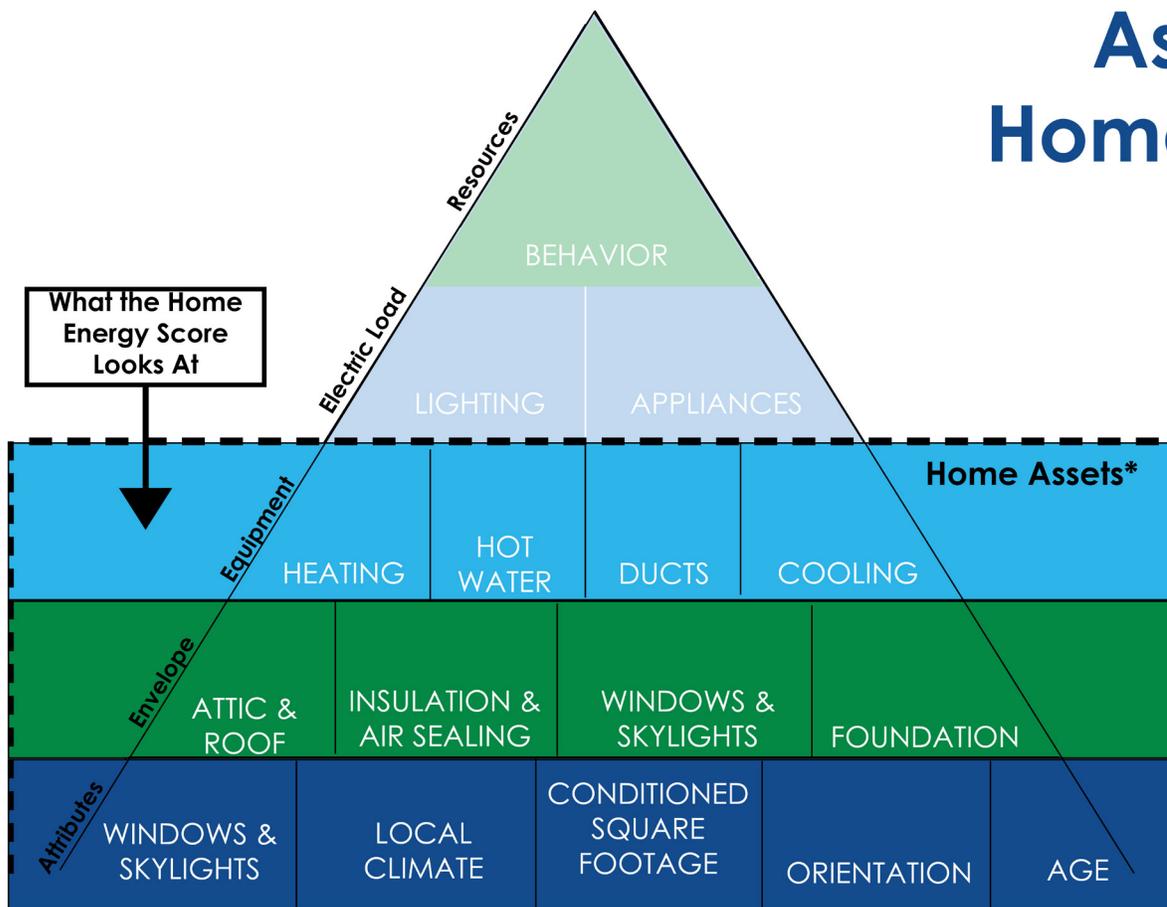
U.S. DEPARTMENT OF ENERGY

Home Energy Score

Partner



# Assets of a Home Energy Score



\*Assets are considered fixed to the property and non-moving.

## What the Score does not account for and why Appliances, lighting, TV's, laptops, etc.

These items can be removed from the property and use is affected by behavior, therefore cannot provide a constant baseline when comparing one home to another through an energy score. If the home will include energy efficient appliances or lighting it can be an added benefit when it comes to using energy in the home and each individual's behavior.

## A few elements that can drive a low Score

**1. Square footage:** Simply put, the more surface area a home has to heat and cool, the more energy is typically required.

**2. Insufficient insulation in walls:** This can be a tricky one to remedy given that many homes in Denver are solid brick. In many cases, a home will not add more wall insulation because it is either not cost-effective or cuts into the livable space making the project unrealistic even if it can save energy or improve comfort.

## Energy Efficiency Resources for Denver Residents

Prioritizing Upgrades | Finding Licensed Contractors | Local Rebates and Tax Credits

Visit: [Denvergov.org/HomeEnergy](https://denvergov.org/HomeEnergy)

Questions about this pilot? **CONTACT**

[HOMEENERGY@DENVERGOV.ORG](mailto:HOMEENERGY@DENVERGOV.ORG) | [DENVERGOV.ORG/HOMEENERGY](https://DENVERGOV.ORG/HOMEENERGY) | **CALL 311**