U.S. DEPARTMENT OF ENERGY
Home Energy Score

ENVIRONMENTAL QUALITY
DENVER PUBLIC HEALTH & ENVIRONMENT

Home Energy Score

Your Official Home Energy Score

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 or underestimating 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)*

Recommendations Within the Score

Recommendations are calculated with a 10-year payback 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 your options post-Score is a great idea!

You've Read Your Score, Now What?

Based on your role as the Seller, Buyer or New Owner, review the various ways you can share your Score, or use it to determine what recommendations make the most sense for you now, and in the future.

STEPS TO TACKLE HOME ENERGY PROJECTS:

- [x] Get your Home Energy Score.
- [ ] Choose improvements from the list of recommendations provided with your Score. 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

CONTACT

HomeEnergy@Denvergov.org | Denvergov.org/HomeEnergy | Call 311

Denver Home Energy Score

ADDRESS
Denver CO

SCORE TODAY **2**

YEAR BUILT: 1896
CONDITIONED FLOOR AREA: 1,678 FT^2

CO Average Home Score

Higher energy use | 1 | **2** | 3 | **4** | 5 | 6 | 7 | 8 | 9 | 10 | Lower energy use

SCORE TODAY	
Estimated annual energy cost:	$1,955
Score basis:	132 MBtu

SCORE WITH IMPROVEMENTS	
Estimated annual energy cost:	$1,774
Score basis:	112 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.

This Home…

CURRENTLY WASTES
15%
OF ENERGY ON INEFFICIENCIES

COULD SAVE
$181
EACH YEAR ON ENERGY COSTS

COULD ELIMINATE
9%
OF CO_2 EMISSIONS WITH COST-EFFECTIVE UPGRADES

Estimated Energy Use

Electricity | Natural gas

TODAY:

8,118 kWh | 1,085 therms

WITH IMPROVEMENTS:

7,939 kWh | 906 therms

ASSESSMENT: Official | Jun 26, 2018 | ID#

DENVER PUBLIC HEALTH & ENVIRONMENT

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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.

About This Home

ASSESSMENT	
Type	Official
Assessor name	CO-DNVR-0002
Scoring tool version	v2017
HOME CONSTRUCTION	
Year built	1896
Number of bedrooms	3
Stories above ground level	2
Interior floor-to-ceiling height	9 ft
Conditioned floor area	1,678 ft^2
Direction faced by front of house	South
Air sealed?	No

Estimated Annual Energy Use

ENERGY BY TYPE	
Total	190 MBtus
Score basis	132 MBtus
Energy use per square foot	81 kBtu / ft^2
Electricity	8,118 kWh
Natural gas	1,085 therms
ENERGY COST ESTIMATES	
Total annual energy costs	$1,955
Energy cost per square foot	$1.17 / ft^2
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

ROOF / ATTIC 1	
Attic floor area	980 ft^2
Roof construction	Standard / Composition Shingles or Metal / R-19
Roof color	Dark
Attic / ceiling type	Cathedral ceiling

Foundation

FOUNDATION / FLOOR 1	
Floor area	744 ft^2
Foundation type	Unvented crawlspace / R-0
Foundation walls insulation	R-0

FOUNDATION / FLOOR 2	
Floor area	236 ft^2
Foundation type	Unconditioned basement / R-0
Foundation walls insulation	R-0

Walls

WALL CONSTRUCTION	TYPE / EXTERIOR FINISH	INSULATION VALUE
Front	Structural brick	R-0
Back	Wood frame / Stucco finish	R-11
Right	Structural brick	R-0
Left	Structural brick	R-0

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Windows & Skylights

WINDOW AREA	
Front	54 ft^2
Back	44 ft^2
Right	47 ft^2
Left	81 ft^2

WINDOW CONSTRUCTION	PANES	FRAME	GLAZING
All	Double	Wood or vinyl	Insulating low-E

SKYLIGHTS ROOF / ATTIC 1	
Present?	No

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Systems

HVAC SYSTEM 1	
Percent conditioned area served	100%
Heating type	Central gas furnace
Heating efficiency value	96% AFUE
Cooling type	Central air conditioner
Cooling efficiency value	13 SEER

DUCT SYSTEM 1	INSULATED?	SEALED?	PERCENT OF DUCTS IN THIS LOCATION
Unvented crawlspace	No	No	58%
Conditioned space	No	No	42%

HOT WATER	
System type	Natural gas storage
Efficiency value	0.58 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.

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 **$61** / year
- Ducts 1: Have your ducts professionally sealed to reduce leakage to save **$94** / year

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

- Roof 1: Pick materials that have high solar reflectance (a "cool roof") and an ENERGY STAR label to save **$0** / year
- Water heater: Pick one with an ENERGY STAR label to save **$24** / year

Comments

You've Read Your Score, Now What?

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 once they move in.

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. Personal behavior is another factor that affects a home's energy use and is not captured in the Score.
- **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.
- **Unsure?** Use the recommendations provided to prioritize upgrades and start talking with licensed energy efficiency contractors about your options and cost-effective measures.
- Ask the Seller for one year's worth of utility bills to see how much they spent on energy.

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?** This does not mean it's a bad home. A variety of factors like size and windows simply mean the house is estimated to use more energy throughout the year.
- **Unsure?** Take a deeper dive by assessing your energy use and costs to date in order to see what improvements make sense for you. See FAQ's on the side bar of this page.

FAQ's

What is captured in the Score?

Fixed, non-moving, attributes of the property such as:

1) Heating & cooling equipment
2) Water heating
3) Square footage
4) Foundation
5) Walls
6) Number of windows & type

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 a Score.

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 some cases, a home will not add more insulation because it is either not cost-effective or cuts into the livable space making the project virtually impossible.

Energy Efficiency Resources for Denver Residents

Prioritizing Upgrades | Finding Licensed Contractors | Rebates and Tax Credits

Visit: Denvergov.org/HomeEnergy

CONTACT:

HomeEnergy@Denvergov.org | Call: 311 | Denvergov.org/HomeEnergy

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