

## ENERGY SMART COLORADO 2024

Who Qualifies	Energy Visit Cost	Rebate for Eligible Project**	Max Annual Rebate Funds
<b>Residential</b> <i>(individual unit/home)</i>	<b>\$100+*</b>	<b>up to 25% of project cost</b> <i>(utility rebates may also be available)</i>	<b>max \$1,000/year</b>
<b>Commercial &amp; Multifamily</b> <i>(4+ units; HOAs; Businesses)</i>	<b>Free Walkthrough</b>	<b>up to 25% of project cost;</b> <b>non-profit org: up to 50% of project cost</b> <i>(utility rebates may also be available)</i>	<b>max \$7,500/year</b>

**\*Community Priority homes can get a \$25 home energy assessment:** deed restricted home, childcare staff, first responder, local government employee, non-profit employee, teacher/school district employee, veteran/active military. Qualify by providing a pay stub, letter from employer on letterhead, copy of deed restriction for home, or proof of veteran/military. **Some specific locations may offer a \$50 home energy assessment; details TBD by 1/1/24. Providing physical address & heated square footage will allow team at Walking Mountains to quote specific cost of Home Energy Visit.**

**\*\*Following pages include details/specifications for all eligible projects.**

Apply Online: [www.WalkingMountains.org/Energy](http://www.WalkingMountains.org/Energy)

Questions? [energy@walkingmountains.org](mailto:energy@walkingmountains.org) or 970-328-8777

## QUALIFYING PROJECTS

### Building Envelope: Air Sealing *(new windows & window repair qualify here, if all requirements below are met)*

- Air leakage must be reduced by 10% or more as measured in CFM50 by blower door test
- If Multifamily, the entire building must be air sealed
- Pre- and post-blower door assessment required
  - If at/below 0.35 NACH before or after improvement, you are required to meet with an Energy Coach at Walking Mountains to understand opportunities for fresh air ventilation, and to identify existing ventilation in the home

### Building Envelope: Insulation [www.energy.gov/energysaver/insulation](http://www.energy.gov/energysaver/insulation)

- Air sealing must be completed prior to adding insulation (unless NACH is 0.35 or lower)
- If Multifamily, the entire building must be insulated; talk to your Walking Mountains Energy Coach about the blower door test requirement
- Must reach the following R-values/details:
  - Exterior Wall: Insulate exterior/foundation walls to minimum R-19
  - Attic: Insulate floor of unfinished attic to minimum R-60
  - Ceiling (no attic): R-30
  - Floor: Insulate floor of living space above garage/unconditioned crawl to min R-30
- Pre- and post-blower door assessment required
  - If at/below 0.35 NACH before or after improvement, you are required to meet with an Energy Coach at Walking Mountains to understand opportunities for fresh air ventilation, and to identify existing ventilation in the home

### Building Envelope: Residential Crawlspace Conversion

*This is for encapsulating a crawlspace, making it a conditioned space in your home*

- Condition/Seal entire crawl with minimum 10-mil vapor barrier, sealed to the foundation/footers, encapsulating the entire space
- Air Seal and Insulate Rim Joists with spray foam
- Insulate crawl walls to minimum R-19; no insulation required in crawl ceiling
- Must seal vents
- Pre- and post-blower door assessment required
  - If at/below 0.35 NACH before or after improvement, you are required to meet with an Energy Coach at Walking Mountains to understand opportunities for fresh air ventilation, and to identify existing ventilation in the home

### Duct Sealing [www.energystar.gov/campaign/heating\\_cooling/duct\\_sealing](http://www.energystar.gov/campaign/heating_cooling/duct_sealing)

- Repair any damaged and disconnected ducts and straighten out flexible ducts that are tangled or crushed
- Seal all leaks and connections with mastic, metal tape, or an aerosol-based sealant
- Seal all registers and grills tightly to the ducts
- Before and after CFM measurements for ducts required
- Insulate ducts to R-6 or higher in unconditioned areas (attics/crawlspaces/garages)
- Recommended:
  - evaluation your system's supply & return air balance, to ensure air return ducts not too small
  - to include a new filter as part of any duct system improvement
  - if you have combustion appliances, ensure there is no back drafting by getting a CAZ (combustion appliance zone) safety test AFTER ducts are sealed

### Economizers (Air-side) for Commercial/MF

*Rebate is to add a new economizer where one does not exist.*

- Economizer shall provide first stage cooling; mechanical cooling will start at second stage
- Economizer control shall include an outside air temperature sensor
- Any size air-handling unit will qualify
- Annual maintenance is recommended to ensure proper function over time
- Learn more:
  - [https://www.energystar.gov/products/low\\_carbon\\_it\\_campaign/12\\_ways\\_save\\_energy\\_data\\_center/air\\_side\\_economizer](https://www.energystar.gov/products/low_carbon_it_campaign/12_ways_save_energy_data_center/air_side_economizer)
  - <https://www.pnnl.gov/projects/om-best-practices/air-side-economizers#:~:text=side%20economizing%20equipment.-,Description%20of%20Technology,when%20outdoor%20conditions%20are%20favorable>

### Electric Fireplaces

- Existing/previous fireplace must be propane, wood, or natural gas
- Must be able to operate new electric fireplace with option of no heat (flame visual only)

### Electric Ready Upgrade

- Must be related to current or future electrification project(s)
  - Wiring and receptacle for easy transition to electric appliance and/or electrical panel upgrade providing extra space, marked with “intent to electrify”
- Invoice must include the purpose of the electrical upgrade

### ERV/HRV – Balanced Ventilation

#### *Energy Recovery Ventilation or Heat Recovery Ventilation*

- Home should be at or below 0.35 Natural Air Changes per Hour (NACH); if not, air sealing must be done before or in conjunction with ventilation project (multifamily buildings must test a portion of individual units)
- Ventilation unit is required to deliver fresh (supply) air to main living/work space and each bedroom/office, at a minimum
- Installation location allows for service and filter maintenance
- All ductwork must be sealed and insulated, or located in a conditioned space
- Equipment must meet all of the following:
  - SRE (Sensible Recovery Efficiency) at 70% or higher
  - Electrically commutated motors (ECMs)
  - Cold climate tested, demonstrated operation to -13°F

### Heat Pump Clothes Dryer

- Energy-Star certified dryer with heat pump technology: [www.energystar.gov/productfinder/product/certified-clothes-dryers/results](http://www.energystar.gov/productfinder/product/certified-clothes-dryers/results)
- Learn more about heat pump dryers: [www.energystar.gov/products/heat\\_pump\\_dryer](http://www.energystar.gov/products/heat_pump_dryer)

### Heat Pump: Cold Climate Air, Water, or Ground Source (heating and cooling)

- Must be rated down to -5°F or colder (down to 5°F may be acceptable but must be pre-approved)
- Minimum Coefficient of Performance (COP) @ 5°F of 1.75
- Air Source Heat Pumps Heating Seasonal Performance Factor minimums:
  - Ducted HSPF2 min of 8.1; or HSPF min of 9.3
  - Ductless mini-split HSPF2 min of 8.5; or HSPF min of 10
- Outside unit must be elevated at least 12 inches off the ground to defrost properly
- Recommended:
  - load calculation to right size heat pump system and derate for high elevation
  - heat pump provides majority of heating load (+/- 80%)
  - home weatherization improvements prior to heat pump plans/install
  - **Best Practices for Installation:** <https://neep.org/sites/default/files/Installing%20Air-Source%20Heat%20Pumps%20in%20Cold%20Climates.pdf>
  - <https://loveelectric.org/heating-cooling>
  - [www.holycross.com/wp-content/uploads/2022/10/HCE-HeatPumpTips-October2022.pdf](http://www.holycross.com/wp-content/uploads/2022/10/HCE-HeatPumpTips-October2022.pdf)
  - <https://co.my.xcelenergy.com/s/residential/heating-cooling/heat-pumps>
  - [www.energy.gov/energysaver/ductless-mini-split-heat-pumps](http://www.energy.gov/energysaver/ductless-mini-split-heat-pumps)

### Heat Pump (Hybrid) Water Heater

- Energy-Star certified with heat pump technology: [www.energystar.gov/productfinder/product/certified-water-heaters/results](http://www.energystar.gov/productfinder/product/certified-water-heaters/results)
- Learn more about heat pump water heaters: <https://loveelectric.org/hot-water>

### Heat Tape Timer

- Timer must be hardwired
- Timer is the equipment that will be rebated; project cost may not include new or replacement heat tape
- Recommended: run heat tape during daylight hours - [www.holycross.com/wp-content/uploads/2020/07/Heat-Tape-Basics-with-Rates-from-7-1-1911.2.2020.pdf](http://www.holycross.com/wp-content/uploads/2020/07/Heat-Tape-Basics-with-Rates-from-7-1-1911.2.2020.pdf)

### Home Radon Mitigation Systems

*Available to any home in Eagle County, including the Roaring Fork Valley portion of the County.*

- Pre and post radon tests required
- Ask your installer to use the most Energy Efficient Fan available
- System must be sized and installed correctly by a qualified radon mitigation contractor
- For more information: <https://cdphe.colorado.gov/testing-your-home-radon>

### Induction Cooktop/Range

- Learn more about induction cooking: <https://loveelectric.org/cooking>

### Insulated Cellular Shades (honeycomb)

*By trapping air in the cells of these shades they insulate your windows and minimize the loss of heated or cooled air from inside, which may improve the thermal performance of your home*

- Must be double cell or cell-within-a-cell design, and be sized and installed correctly
- For more information: [www.energy.gov/energysaver/energy-efficient-window-coverings](http://www.energy.gov/energysaver/energy-efficient-window-coverings) (on website scroll down to insulated cellular shades section)

### LED Lighting – Commercial or Multifamily (Common Area) Only

- Replace non-LED bulbs with qualifying LED fixtures or bulbs
- Minimum of 30% wattage reduction required
- Must be Energy Star rated or Design Lights Consortium (DLC) certified [www.designlights.org/qpl](http://www.designlights.org/qpl)  
[www.energystar.gov/products/lighting\\_fans/light\\_fixtures/why\\_choose\\_energy\\_star\\_qualified\\_led\\_lighting](http://www.energystar.gov/products/lighting_fans/light_fixtures/why_choose_energy_star_qualified_led_lighting)

### Lighting Controls - Commercial or Multifamily Only

- Networked lighting controls (NLC) with wireless networked integrated sensors only
- Control schedule submitted with rebate application

### **Monitoring Software / Data Trackers / Benchmarking Setup**

*For the purchase and installation of data trackers, or for initial cost for setup of benchmarking system/energy monitoring software*

- Must be a new software/trackers/controls where none previously existed
- For benchmarking setup, please meet with a Walking Mountains Energy Coach when you start, after 6 months of use, and after 1 year of use.

### **Motors: Electronically Commutated Motor (ECM) or Variable Speed**

- Replace any single speed motor with EC/variable speed motor
- Applications include heating, cooling, ventilation, and refrigeration

### **Pool & Spa Pumps**

- Replace single speed pump with variable speed drive (VSD)
- Recommend labeled ENERGY STAR® [www.energystar.gov/products/pool\\_pumps](http://www.energystar.gov/products/pool_pumps)

### **Retro-commissioning, Recommissioning, Commercial ASHRAE Level II or III Audit**

- Report must be provided to Walking Mountains
- Must provide contractor's modeling for potential energy savings
- Must adjust controls as determined by contractor and provide proof (it is recommended to set schedules to avoid electric usage during the 4pm-9pm peak)
- Rebate only available for an initial report, updated reports do not qualify
- Recommended:
  - set schedules to avoid electric usage during the 4pm-9pm peak
  - enroll in Holy Cross Energy's Peak Time Payback or Demand Response Program
    - <https://www.holycross.com/peak-time-payback/> - HCE is there another Demand Response Program/link?

### **Smart (Wi-Fi Enabled) or Programmable Thermostats**

- Check compatibility on manufacturer's website before purchasing
- Learn more about best options: [www.energystar.gov/products/smart\\_thermostats](http://www.energystar.gov/products/smart_thermostats)  
[www.energy.gov/energysaver/programmable-thermostats](http://www.energy.gov/energysaver/programmable-thermostats)

### **Smart Panels, Smart Controls, Energy Management System**

*For the purchase, installation, and setup of automated building controls, smart panels, or energy management systems*

- Must be a new smart panel or EMS where none previously existed
- Must provide proof of enrollment in a program offered by your electric company intended to curtail usage from 4pm-9pm (peak time); Holy Cross Energy offers a Demand Response Program or Peak-Time-Payback
- Qualifying products include Span panel, Savant, Lumin Edge, and smart breakers (or another technology approved for a rebate by your electric provider)

### Storm Windows

- Must be labeled ENERGY STAR<sup>®</sup> and be sized and installed correctly (INDOW Windows qualify)
- Whole home is not required
- For more information: [www.energystar.gov/products/storm\\_windows\\_0](http://www.energystar.gov/products/storm_windows_0)

### Variable Refrigerant Flow (VRF)

- Energy Efficiency Ratio (EER) of 10+
- Coefficient of Performance (COP) of 2+
- VRF must be used as primary heating and/or cooling source

### Variable Frequency Drives (VFD)

- Replace single speed motor/pump with VFD

## RULES & REQUIREMENTS

*Program Rules & Requirements (in addition to all previous statements and project specific requirements):*

- **Incentives are available to homes/buildings in Walking Mountains service territory** (Eagle River Valley portion of Eagle County, Colorado, excludes the Roaring Fork Valley).
- **Equipment must be installed and in working order** (proof required and specifications must be met).
- **Invoices must be dated within 90 days of applying for a rebate.**
- **Rebates & Energy Assessments are for existing homes/buildings & must be replacing an existing appliance/system** (with the exception of location specific solar PV, home batteries, and EV/EV charging rebates, which are available to anyone with a physical address in the specified location).
- **An energy visit is required for all rebates** (and preferable happens before a project starts; assessment requirement waived if home built within last 12 months).
- **12 months of utility usage data & account number/name is required** (electric and gas as applicable).
- Required with rebates: Photo(s) of completed project, final invoice(s)/receipt(s), and any applicable spec sheets.
- Project costs may include materials and labor costs; no tax, shipping, or permit expenses included.
- Checks mailed 4-6 weeks after receiving completed rebate application & all required documentation.
- Colorado state regulation requires proper disposal of mercury containing lamps.
- Rebates may be assigned to the contractor completing the project, and this credit must be shown on the invoice.
- Walking Mountains reserves the right to inspect the project after completion.
- Walking Mountains is not liable for any act or omission of any party, consumer, or contractor whatsoever.
- Walking Mountains is not liable for rebates promised to consumers by a contractor misrepresenting program.
- Rebates are subject to change and/or discontinue without notice; funding is limited.
- Walking Mountains reserves the right to refuse payment if the consumer/contractor violates program rules.
- For information on tax incentives, see this page: <https://energysmartcolorado.org/tax-credits-incentives>.
- To apply for rebates or enroll for an energy visit go to: <https://www.walkingmountains.org/energy>.
- If you qualify for a rebate from Holy Cross Energy, most likely you will qualify for an ESC rebate too.

***Rebates subject to change at any time. Annual rebate funds are limited.***

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