

## 2021 REBATES – HOMES & BUSINESSES

### **BUILDING ENVELOPE**

#### Air Sealing

- Comprehensive air sealing (from attic through the basement/crawlspace) is required, and should be detailed on your contractor invoice. Weather stripping may be included.
- Infiltration levels must be measured by a blower door test before (part of an energy assessment) and after air sealing, and shared with Walking Mountains.
- Your project must demonstrate at least a 10% air leakage reduction, as measured in CFM50 by a blower door test, unless you are already at or below 0.35 Natural Air Changes per Hour (NACH).
- If at/or 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 identify existing ventilation present in the home.

#### Insulation

- Air sealing must be completed prior to adding insulation, unless you are already at or below 0.35 NACH, and should be detailed on your contractor invoice.
- Infiltration levels must be measured by a blower door test before (part of an energy assessment) and after insulation project, and shared with Walking Mountains.
- If at/or 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 identify existing ventilation present in the home.
- Insulation projects must conform to 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.
  - Floor:** Insulate floor of living space above garage or unconditioned crawlspace to min R-30.
  - Crawlspace Conditioning:** Insulate crawl walls and rim joists to minimum R-19. Condition entire crawl with minimum 10-mil vapor barrier, sealed to the foundation/footers, encapsulating the entire space. Must seal vents. No insulation required in crawl ceiling.

Cellular Blinds/Shades – Must be double or triple cell and be sized and installed correctly.

Storm Windows – Must be labeled ENERGY STAR® and be sized and installed correctly.

### **HEATING / COOLING / MECHANICAL / HOT WATER**

Thermostat – Replace non-programmable, or broken, electric or gas thermostat with a programmable or SMART (Wi-Fi) thermostat, with setbacks programmed.

Electric Fireplaces – Must be able to operate with the option of no heat (flame visual only).

Electric Water Heater – Conventional storage, on-demand/tankless, and heat pump water heaters. Must be labeled ENERGY STAR®, be electric, and installed per manufacturer's specifications.

Solar Thermal / Hot Water – Must be labeled ENERGY STAR® and be sized and installed correctly.

**Balanced Ventilation (ERV/HRV)** – 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.
- Equipment must be labeled ENERGY STAR® to qualify.
- Ventilation unit is required to deliver fresh (supply) air to main living/work space and each bedroom/office, at a minimum.

**Electric Air Source Heat Pump (ASHP)** – May be ducted or ductless (mini-split); may be an air to air, or air to water technology. Request a NEEP buyer's guide from your Walking Mountains Energy Coach.

- Must be used at least 80% of the time as primary source of heat; cooling optional.
- HSPF must be ≥ 10.
- Inverter technology must be cold climate/hyper heat rated, reaching below 0°F.
- Must be sized properly for your space with a manual J load calculation or equivalent proof required. Request NEEP's "Sizing & Selecting ASHPs In Cold Climates" from your WM Energy Coach.
- Must be installed per manufacture's specifications.

**Economizer** – Must add an economizer to an existing unit where no economizer exists or to a replacement high efficiency unit where an economizer previously did not exist.

**HVAC equipment tune-up** – not to exceed 25% of the cost.

## **ELECTRICITY / REFRIGERATION**

### **LED Lighting**

- ENERGY STAR® or DesignLights Consortium (DLC) label required. Request online links to these lists from your Walking Mountains Energy Coach.
- Must upgrade existing bulbs/fixtures, rebate is not available for the addition of new bulbs/fixtures.

### **Induction cooktop/range**

- Total project cost can include cookware specific to induction.
- Both standalone cooktops and ranges with built-in induction cooktops are eligible.
- We require a "before" photo of the old gas cooktop/range in place and an "after" photo showing the new induction cooktop/range installed.

### **Refrigerator / Freezer**

- Photo of nameplate of both Old and New unit required.
- Old/existing unit must be over 15 years old, working, and recycled (proof required).
- New unit must be labeled ENERGY STAR® to qualify.

**HP Clothes Dryer** - must be labeled ENERGY STAR® to qualify. Ask your Energy Coach how these clothes dryers are different than traditional ones.

**Heat Tape Timers** - Must be hardwired (permanently installed) by a licensed electrician. Must be programmed to run only during daylight hours when the sun helps melt ice dams.

**Demand Controlled Kitchen Ventilation (DCKV)** – Must replace existing (non-DCKV) exhaust hood with a DCKV system. Rebate is for new equipment only.

**EC Motors** – Located in display cases or walk-in coolers. Must replace shaded pole (SP) or permanent split capacitor (PSC) fan motors in refrigeration or freezer application.

**Variable Frequency Drive (VFD)** – Add a VFD where there is not one existing. New VFD must operate at minimum of 2,000 hours per year to be eligible for a rebate.

**Pool & Spa Pumps** – Must be labeled ENERGY STAR® and replacing a single speed primary pump to qualify. Must have 2-speeds or a variable speed drive (VSD).

## MISCELLANEOUS / OTHER

**Solar Photovoltaic (PV)** – Must be grid-tied to qualify. Must qualify for Holy Cross incentive.

**Solar Livestock Water Tank** – replace an electric heated water tank.

**Energy Management System / Data Trackers / Smart Controls** – for the purchase and installation of automated building controls. This must be a new Energy Management System (EMS) where none previously existed, or for adding functionality to an existing EMS.

**Benchmarking** – for initial start-up costs as well as monthly fees to use a benchmarking system.

**Commercial ASHRAE Level II & III Audit, Recommissioning, or Engineering Assistance Study** – Report must be provided to your Walking Mountains Energy Coach and will be evaluated for potential THERM and kilowatt-hour savings.

**Radon Mitigation** – 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.

## **ELECTRIFICATION INCENTIVE for Homes & Businesses**

- Must switch from propane or natural gas to electric, specifically:
  - **space heating** (80% or more load) to a cold climate rated heat pump,
  - **water heating** from gas to an electric heat pump water heater,
  - **cooktop** from gas to an electric induction cooktop,
  - **clothes dryer** from gas to an electric heat pump clothes dryer, or
  - **fireplace** from gas to an electric fireplace (must have option for flames with no heat).
- Rebate Amount:
  - **Homes - may not exceed \$3,000** per project; and
  - **Businesses - may not exceed \$6,000** per project.
- All regular rebate rules and project specifications/requirements apply, **rebate available may not exceed 50% of total project cost** when also considering utility rebates.

### INCOME-QUALIFIED Homes

- Energy Coaches at Walking Mountains can help you with an application to the state-wide **low-income Weatherization Assistance Program (WAP)** and **Colorado's Affordable Residential Energy Program (CARE)**, both provide free energy upgrades in homes.
- For those who don't qualify for the above programs, but meet the requirement of **90% Average Median Income (AMI)** for our area, or for homes that want additional help after going through WAP or CARE, Walking Mountains can provide the following:
  - **Free Home Energy Assessment**
  - **Double Energy Efficiency Rebates - may not exceed \$1,000 per project**
  - **Electrification Rebate - may not exceed \$4,000 per project**
  - **Renewables Rebate - may not exceed \$4,000 per project (Solar PV)**
  - **No max # of rebates; in some cases 100% of project costs OK.**

### REBATE DETAILS / RULES

- **Homes may not exceed \$500/year** (calendar) in total rebates (max \$1,000 in the Town of Vail), *does not apply to electrification or income-qualified incentives.*
- **Businesses may not exceed \$1,000/year** (calendar) in total rebates (max \$2,000 in the Town of Vail), *does not apply to electrification incentive.*
- **Rebate may not exceed 50% of any project cost** when also considering all utility rebates (may not exceed 75% in the Town of Vail).
- **A Home Energy Assessment or Business Energy Walk-through is required** prior to a rebate being processed, and preferred prior to starting a project.
- **All Rebates must be applied for online, within 180 days** of date on invoice.
- **Rebates may be assigned to the contractor completing the project.**
- **Documentation required**, including photo of completed project, paid invoice(s) showing details and breakout of equipment with manufacturer and model information as well as labor costs, spec sheet(s), and any others specifications listed next to project on list of available rebates above.
- Rebates are subject to change and/or discontinuation without notice. Funding is limited. Applications will be accepted on a first come, first serve basis.
- Walking Mountains reserves the right to inspect the project after completion.
- Walking Mountains Science Center is not liable or responsible for any act or omission of any party, consumer, or contractor whatsoever.
- Colorado state regulation requires proper disposal of mercury containing lamps (HIDs, all linear and u-bend fluorescents, CFLs, 2- 4-pin CFLs, circular fluorescent

### REBATE CHECKLIST

- HOME ENERGY ASSESSMENT / BUSINESS ENERGY WALK-THROUGH** – enroll online
- ENERGY COACH** – talk with us at Walking Mountains (before starting your project)
- REBATE REQUIREMENTS** – verify your project meets minimum specifications/requirements
- REBATE APPLICATION** – complete online (after your project is completed/paid)
- PHOTOS / DOCUMENTATION** – gather and provide to your Energy Coach
- UTILITY REBATES** – ask your Walking Mountains Energy Coach to guide you

[www.walkingmountains.org/energy](http://www.walkingmountains.org/energy)