

## Rebates 2023 | Commercial | Multifamily Housing

- Pitkin County | The Roaring Fork Valley portion of Eagle County
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Multifamily housing is defined as 4 or more housing units contained within a single building, and multifamily rebates are for projects in common areas, shared mechanical systems, or in-unit retrofits completed in every unit.

<b>Commercial/Multifamily Energy Efficiency and Electrification Rebates per Project</b>					<b>Solar PV Rebates</b>	<b>Multiple Projects Annual Max</b>
<u>Electric Utility</u>		<u>Bonus Rebate Eligible?</u>		<u>Rebate Amount</u>		
Holy Cross Energy	and	No	equals	25% up to \$7.5k	Up to \$3,400	\$30k
Holy Cross Energy	and	Yes	equals	50% up to \$12.5k	Up to \$3,400	\$30k
City of Aspen Electric	and	No	equals	50% up to \$15k	Up to \$3,400	\$30k
City of Aspen Electric	and	Yes	equals	75% up to \$20k	Up to \$3,400	\$30k

### Energy Efficiency and Electrification Project Types

**Mechanical System Rebates** (Heating, Cooling, Water Heating, Ventilation, Refrigeration, Electrical, Pumps)

- Electrification
  - Heat pump space heating and cooling
    - Criteria
      - Must be used for space heating, and must be the primary heating source. May be used for space cooling.
      - 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
      - Unit must be rated for cold climate (-5° or lower heating capability)
    - Project types
      - Air, Water, or Ground Source Heat Pump (heating and cooling)
        - Ducted heat pump
          - HSPF2 - 8.1 or higher
          - COP @ 5° = 1.75 or higher
        - Ductless mini-split heat pump
          - HSPF2 - 9.5 or higher
          - COP @ 5° = 1.75 or higher
        - Packaged heat pumps (Roof Top Units etc.)
          - 13.4 SEER2 (14 SEER) or higher -- A/C component
          - 6.7 HSPF2 (8 HSPF) or higher -- heating component
          - 3.3 COP at 47 degrees dB (dry bulb)
          - 2.05 COP at 15 degrees dB
      - Variable Refrigerant Flow (VRF)
        - EER 10 or higher
        - COP 2 or higher

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- Heat pump water heating
    - Energy-Star certified with heat pump technology
    - <https://www.energystar.gov/productfinder/product/certified-water-heaters/results>
  - Electrical capacity upgrade associated with completed electrification project
  - Ventilation systems
    - Project types
      - Replacing an existing natural-gas-heated ventilation system with a heat-recovery or heat pump ventilation system
      - Adding a heat-recovery or heat pump ventilation system to a building without a current ventilation system.
    - Criteria
      - Building must 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
  - Tune-ups and Re-commissioning
    - Project types
      - All heating systems are eligible
      - Other mechanical systems
      - Solar PV and solar thermal
      - Contractor's Report must be provided with rebate application
      - Proof of implementing the contractor's recommended adjustments is required
  - Variable Frequency Drive (VFD), Electronically Commutated Motor (ECM), or Variable Speed Motor
    - Project types
      - Replace any single-speed motor or pump
    - Criteria
      - Applications include heating, cooling, ventilation, and refrigeration
      - Heating and water distribution systems heated by natural gas are eligible
  - Data management equipment and cooling
    - Energy Star labeled
  - Duct insulation and air 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
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- Insulate ducts to R-6 or higher in unconditioned areas (attics/crawlspace/garages)
- Recommended: evaluate your system's supply & return air balance, to ensure air return ducts are not too small
- Recommended: replace filters at completion of any duct system improvement
- Recommended: if you have natural gas appliances, ensure there is no back drafting by getting a CAZ (combustion appliance zone) safety test after ducts are sealed
- Pipe insulation
- Smart (Wi-Fi Enabled) or Programmable Thermostats
- Advanced control systems
  - Space heating and cooling
  - Water heating
  - Ventilation (space and cooking)
  - Refrigeration
  - 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

### Lighting Rebates

- Replace non-LED bulbs with qualifying LED fixtures or bulbs
  - Minimum of 30% wattage reduction required
  - All fixtures or LED bulbs must be Energy Star labeled or Design Lights Consortium (DLC) certified
- Controls

### Appliances and Refrigeration Rebates

- Heat pump clothes dryers
  - Energy-Star certified dryer with heat pump technology
    - <https://www.energystar.gov/productfinder/product/certified-clothes-dryers/results>
- Induction cooktop/stove
  - Multifamily Housing
    - Replacing natural gas cooktop/stove/ovens only. No rebate for switching from electric resistance.
  - Commercial
    - Replacing natural gas or electric resistance.
- Commercial Appliances and Refrigeration
  - Energy Star labeled

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- Electric cookware
- Ice machines
- Refrigeration
  - Walk in and reach in
- Freezers
  - Walk in and reach in

### **Insulation and Air Sealing Rebates**

- Major insulation improvements
  - Energy assessment required before project is started
  - Air sealing must be completed prior to adding insulation unless Natural Air Changes per Hour (NACH) is 0.35 or lower. If lower, a mechanical ventilation system must be in place.
  - 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
    - Floor: Insulate floor of living space above garage/unconditioned crawlspace to min R-30
    - Crawlspace wall: to minimum R-19
- Major air sealing improvements
  - Energy assessment required before project is started
  - Post-project blower door test required. CORE can connect you with a contractor for the blower door test.
    - Air leakage must be reduced by 10% or more as measured in CFM50 by blower door test
    - Post-project Natural Air Changes per Hour (NACH) must not be lower than 0.35. If lower, a mechanical ventilation system must be in place.

### **Solar PV Rebates**

- \$250 for the first 6 kW, \$100 per kW after that, up to 25 kW total
  - Ex: 25 kW solar system.
    - $\$250 \times 6 = \$1,500$
    - $\$100 \times 19 = \$1,900$
    - Total: \$3,400
- The certifying installer must hold a current North American Board of Energy Practitioners (NABCEP) certification in PV
- For your rebate application to be considered complete, we must receive a PV Watts Report – an online tool to help estimate the system’s annual production

### **Custom Rebates**

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- Custom rebates will be considered for projects that produce meaningful energy savings but do not fall within the categories above, and are not large enough for a grant. Custom rebates and amounts will be awarded at the discretion of CORE staff.
- Examples could include:
  - Windows
  - 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)
  - Solar Thermal
  - Electrification of commercial lawn and maintenance equipment fleets (leaf blowers etc.)
  - Residential refrigerator replacements with a simply proven savings estimate over 50% (old fridges). Require proof of proper destruction of the existing refrigerator. No reuse, reselling, or donating.

### **Additional Rebate Criteria and Stipulations**

- Participants that complete multiple projects have a calendar year limit of \$30,000 of rebates per participant.
- Any aspect of CORE rebates may be changed at any time, while CORE staff will attempt to make changes at the start of a new quarter. Rebates are subject to change and/or discontinuation without notice. Funding is limited. Applications will be accepted on a first come, first served basis.
- Rebates are only for eligible projects within existing buildings.
- Total project cost definition
  - Total project cost is considered to be all reasonable\* costs associated with an eligible project. Tax, travel, mileage and permit expenses may be considered to be included in the project total cost, at CORE staff's discretion.
    - For example, drywall and painting costs associated with replacing baseboard heat with a wall-hung heat pump would be included in the total project cost. \*At CORE staff's discretion
  - Panel upgrade costs as part of projects are considered to be a cost included within the electrification or efficiency project; the panel cost is not considered a separate project.

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- For permitted projects, all rebates are only for the project scope and costs beyond the code requirements. For example a 3kW solar installation for a project with a REMP requirement for 2kW is eligible for a CORE rebate on the 1kW of above-code solar.
- Detailed invoices and receipts for purchases and work performed must be furnished.
- Rebate application and associated receipts and invoices must be received no later than 90 days from date of purchase or documented completion of project.
- Rebate checks will be distributed within 4-6 weeks of receiving the completed rebate application.
- Rebated equipment must be installed prior to applying for a rebate. CORE reserves the right to inspect the installation premises.
- CORE is not liable or responsible for any act or omission of any party, consumer, or contractor whatsoever.
- CORE reserves the right to refuse payment and participation if the consumer or contractor violates program rules and procedures.
- CORE is not liable for rebates promised to consumers because of a contractor misrepresenting the program.
- Equipment must meet the technical requirements listed in the application forms. CORE reserves the right to withhold payment for products that do not meet the requirements.
- Rebates will be awarded based on fair and reasonable price of equipment and labor. CORE reserves the right to adjust rebate based on a price that is commensurate with the extent and complexity of the services/equipment to be provided and is comparable to the price paid by entities for projects of similar scope and complexity.
- Gas/Electric utility account(s) name and number and consent form to provide CORE with usage data for 12 months prior to the project completion date and continuously ongoing into the future is required.
- Colorado state regulation requires proper disposal of mercury containing lamps (HIDs, all linear and u-bend fluorescents, CFLs, 2- 4-pin CFLs, and circular fluorescent, as an example).
- Rebates may be assigned to the contractor completing the project, and this credit must be shown on the invoice.

### **Bonus Rebate Eligible Participants 2023**

- Childcare facility or Childcare facility staff
  - Qualification
    - Facilities: case by case basis
    - Staff: a recent pay stub
- School facility or School staff
  - Qualification
    - Facilities: case by case basis
    - Staff: a recent pay stub

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- Nonprofit facility of Nonprofit staff
    - Facilities: case by case basis
    - Staff: a recent pay stub
  - Local government facility or Local government staff
    - Facilities: case by case basis
    - Staff: a recent pay stub
  - Veteran or Active Military
    - Qualification: Drivers license or Military ID
  - First responder facility of First responder staff
    - Facilities: case by case basis
    - Staff: a recent pay stub
  - All APCHA and TOSV Housing households and multifamily buildings.
    - Exception: APCHA Resident Owned (RO) category households must demonstrate an income of 150% of county AMI or lower.\*
    - APCHA Qualification: [Screenshot](#) and a piece of mail addressed to the same address and the applicants' name(s).
    - TOSV Qualification: TBD
  - Other workforce housing residents and multifamily buildings
    - An individual home/condo with an enforceable commitment to house workforce for employers within the county.
    - A multifamily building with an enforceable commitment for 50% or more of units to house workforce for employers within the county.
    - Qualification on a case by case basis
  - Other income qualified residents and multifamily buildings
    - An individual home/condo occupied by residents with an income of 150% of county AMI or lower.\*
    - A multifamily building with 50% or more of units occupied by residents with an income of 150% of county AMI or lower.\*
    - Qualification on a case by case basis
  - \*Income reported to CORE in a signed statement from the residents' employer(s), or through the most recent year tax return for self-employed individuals.