



# Teller County

## Community Development Services Division

800 Research Dr Suite 100 P.O. Box 1886 Woodland Park CO 80866  
719-687-3048 Fax: 719-687-5256

### SOLAR ALTERNATIVE ENERGY PERMIT APPLICATION

Type of Installation: RESIDENTIAL OR COMMERCIAL INSTALLATION

Please circle one: Photo - Voltaic Water/ Glycol Air Wind Geo-Thermal

Property Owners Name: \_\_\_\_\_

Owners Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Owners Mailing Address: \_\_\_\_\_  
Address City/Zip

Property Address of Install: \_\_\_\_\_  
Address City/Zip

Property Legal Description: \_\_\_\_\_  
Lot Block Subdivision

Solar Contractor: \_\_\_\_\_

Contractor's Phone Number: \_\_\_\_\_ Email: \_\_\_\_\_

Electrical Contractor: \_\_\_\_\_

Electrical Contractor's Phone Number: \_\_\_\_\_

Who is the Serving Utility Company? \_\_\_\_\_ Did you contact them? Y N

Is there a Gate Code: \_\_\_\_\_

**\*\*\*\* Please Provide a map to the Job-Site with this Application\*\*\*\***

I certify that the above information is true and correct to the best of my knowledge.

\_\_\_\_\_  
Contractor Signature

\_\_\_\_\_  
Date

For additional information. Please refer to the Amended Teller County Building Code  
Available on our webpage [www.co.teller.co.us](http://www.co.teller.co.us)

## PLAN SUBMITTAL REQUIREMENTS

- \_\_\_\_\_ Two complete sets of drawings
- \_\_\_\_\_ Site Plan: To include locations of exterior ground or structure mounted system and major components, and \* property setback information. Locations of system and equipment lines, electrical lines, raceways and existing tie-in locations that will be integrated as part of the overall system, and all applicable dimensions. \*Property Setback per zone **A-1 Zone with** a survey 50' from all property lines, **without** a survey 55' from all property lines. **R-1 Zone with** a survey Front 25' Side 15' Rear 30' **without** a survey Front 30' Side 20' Rear 35'
- \_\_\_\_\_ Roof layout plan, floor-plan to include the equipment dead load on the roof or structure, racks and their attachment, **Engineering** is required if the weight distributions is over 2.5 lbs per sq.ft. **or if the roof is over 20 years old.** Provide information on the existing roof construction: rafters, trusses, size, spacing, and all dimensions.
- \_\_\_\_\_ Engineering addressing the dead and wind loads is required for systems and components mounted on any roof, deck or elevated platform. This is also required for ground mounted equipment utilizing concrete piers, footings or other means to attach to the ground.
- \_\_\_\_\_ One-line electric diagram showing all major field installed electrical components and manufactures field specifications, wire identification and sizes, raceways and their sizes, grounding and existing equipment to be integrated with new system.
- \_\_\_\_\_ Major component information: Inverter, Module, and Battery information  
Array Information:
  1. Number of modules in series, number of parallel source circuits and total number of modules
  2. Operating voltage, operating current, and maximum system voltage, short circuit current.
- \_\_\_\_\_ Wiring and over -current protection:
  1. Wire type
  2. Conductor ampacity
  3. Over-current protection
  4. Photovoltaic power source disconnecting means
  5. Grounding
- \_\_\_\_\_ All labeling to meet industry standard per Article 690-2017 NEC 690 Part VI
- \_\_\_\_\_ Geo-thermal installation shall be designed, prepared and wet-stamped by a Colorado licensed Engineer for the entire project.
- \_\_\_\_\_ Wind turbines shall be designed, drawn and wet stamped by a Colorado licensed Engineer to include soils report, and foundation design. The electrical, associated components, and wiring shall also be detailed on the drawing as outlined for PV systems.
- \_\_\_\_\_ Solar water, thermal and glycol systems may be drawn and submitted by a Colorado licensed plumbing contractor, licensed alternative energy installer, or Engineer. Detail all new equipment, mounting, dead loads, plumbing line and sizes, valves, back-flow/cross contamination prevention, existing equipment and tie-in details.
- \_\_\_\_\_ Solar air systems may be designed and drawn by mechanical contractor, licensed alternative energy installer, or Engineer. Detail all equipment, collector mounting, duct work, and tie-into existing system.

## REQUIRED INSPECTIONS

1. PIER INSPECTIONS
3. RACK

2. UNDERGROUND ELECTRICAL
4. FINAL: CONTRACTOR MUST BE PRESENT TO DEMONSTRATE RAPID SHUT DOWN