

Generation Interconnection Level 1 Application Requirements

This document is meant to accompany the sample Small Generation Interconnection applications. Further information on CORE's generation interconnection requirements and procedures, please visit <https://core.coop/my-cooperative/renewables/generation-interconnections/> within CORE's website.

You may also contact Engineering Services:

- (303) 688-3100 x5302 or (800) 332-9540
- interconnections@core.coop

Acceptable Equipment Installation Locations:

- Utility meter on pole or pedestal; production meter and AC disconnect shall be installed on front 25% of house, ahead of fencing, accessible, and within 5' and reachable of each other.
- Utility meter on pole or pedestal; production meter and AC disconnect shall be installed within 5' and reachable on a permanent structure next to pedestal or pole.
- Utility meter is on a building; Installation of production meter and AC disconnect shall be installed within 5', reachable from the utility meter, and no fencing separating equipment.

Components of a complete application (email to interconnections@core.coop):

- I. Application signed by property owner
- II. Site Plan
 - a. Utility meter
 - b. Main electrical panel and associated sub-panels
 - c. Details of where the generation system taps into the grid, called the Point of Interconnection (oftentimes within the main service panel)
 - d. Solar Production (REC) Meter
 - e. AC disconnect switch
 - f. Inverter(s)
 - g. PV modules
 - h. Batteries (if applicable)
 - i. Fence, or a note stating "no fence on property"
 - i. The AC disconnect and production meter shall be located within 5', reachable to the utility meter, and not separated by fencing, except in cases where there is a meter pedestal or meter pole
 - j. other obstructions
- III. One-line electrical diagram
 - a. Utility meter
 - b. Main electrical panel and associated sub-panels
 - c. Details of where the generation system taps into the grid, called the Point of Interconnection (oftentimes within the main service panel)
 - d. Solar Production (REC) Meter
 - i. Line and load configuration must be shown

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- ii. PV generation must be wired to the line side (top of meter block)
 - e. Exterior AC disconnect switch for PV generation and/or Batteries
 - i. Can not cold sequence production meter
 - f. Inverter(s)
 - g. PV modules
 - h. Batteries (if applicable)
- IV. Specification Sheets for the Solar Modules and Inverters
 - a. Inverter specifications must show IEEE1547 and UL1741 certification
 - b. PV Module specifications must show certification by an OSHA recognized NRTL
- V. Site Control Documentation (if ownership of generation equipment is by anyone other than the property owner)
- VI. \$100 Application Processing Fee
 - a. Payable with cash, check, or money order. CORE is unable to accept this fee via credit card.
 - b. Mail to: CORE Attn: interconnections 5496 N US HWY 85, Sedalia, CO 80