



Colorado Model Electric Ready and Solar Ready Code

(Subject to Change)

Photovoltaic requirements

- Electrical Pathway None = All is accessible from exterior to accomplish micro grid or DC inverter.
- Deadload = Provide notes specifically indicating roof structure can support minimum 300 SF of PV on submitted plans.
- Panel = (2) full spare breaker spaces and labeled in the electrical panel.
- Roof = Provide notes on submitted plans designating roof locations for a minimum of 300 SF of PVs. Must not conflict with plumbing and mechanical vents. No roof plan required.

Electric Vehicle

- Need to provide at minimum, one 40-amp 2 pole branch circuit with one fully operational **EV rated GFCI protected receptacle** for EV charging at garage or designated on-site parking.
- EXCEPTION = Provide a hard-wired EV charger.

Gas Appliances

- Provide a note on the plans that all gas appliances will be provided with an appropriate branch circuit with receptacle or J-Box.
- Provide **(2) full spare** circuit breaker SPACES in the panel per gas appliance.
- All spares in panel MUST be **labeled** on both J-box and panel.

Infrastructure required at time of build.

- Gas furnace = 1-inch empty conduit from panel to within 3 feet of **existing** gas furnace. Or within 6 feet of identified **future electric** furnace space.
- Gas H2O heater = 30-amp branch circuit receptacle OR J-Box.
- Gas Stove = 40-amp branch circuit receptacle OR J-Box.
- Gas Oven = 30-amp branch circuit receptacle OR J-Box.
- Gas Dryer = 30-amp branch circuit receptacle OR J-Box.

Electric Panel

Best practice is to provide a minimum 200-amp panel with 40 circuit breaker spaces. A typical build uses about 20 -25 circuit breakers. Pueblo Ordinance requires (4) extra spaces, beyond what is listed above for gas appliances, for future builds like additions, pools, or decks.

AN ALL-ELECTRIC HOUSE DOES NOT NEED TO PROVIDE EXTRA CIRCUIT BREAKER SPARES BEYOND THE MINIMUM (4) EXTRA SPARES.

