

Colorado Solar Program

Common Application Mistakes and Field Corrections

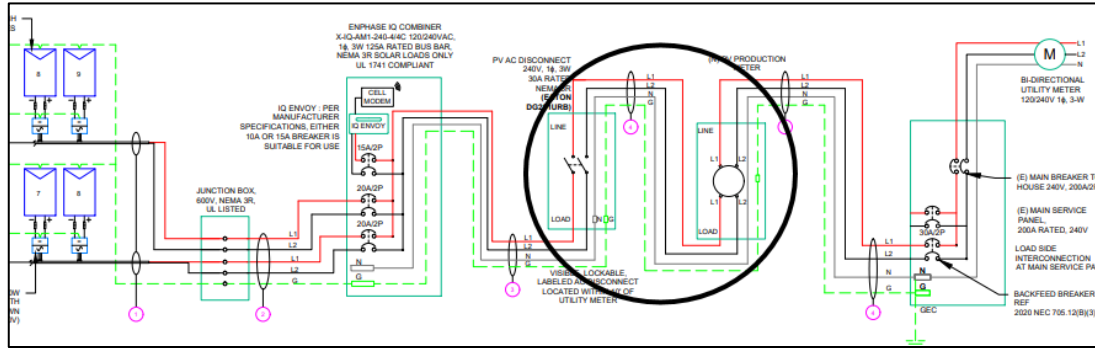


Application Denials

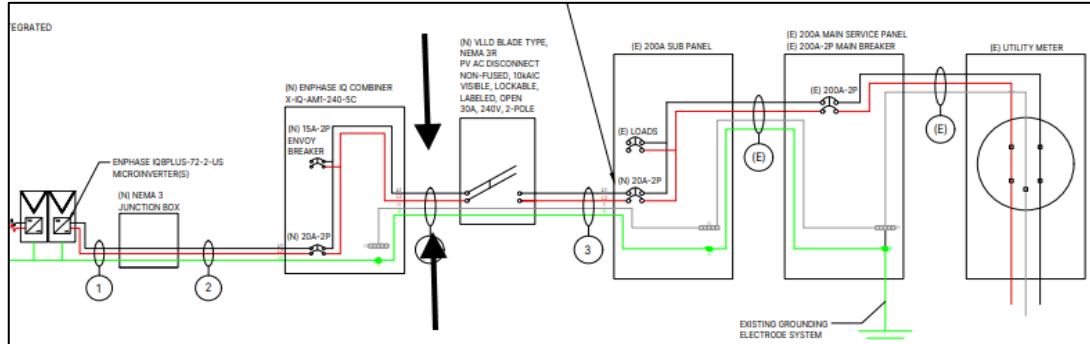
- Incorrect behind-the-meter wiring
 - Missing production meter
 - AC disconnect before the production meter
- Meter housing not 200A for either production or utility meter
- One line diagram and submitted application do not match in size
 - Number of panels and panel rating should match exactly
- System size too large based on usage history
 - Square footage not included for customers with limited usage
- Address on one line does not match application
- Additions with more than one production meter
 - Additions must tie into the existing production meter

Example

AC Disconnect in Incorrect Position



Missing Production Meter



Final Documents

- Unsigned or partially signed interconnection agreements
- Incorrect electrical permit
 - Permit missing address
 - Cities without local permit authority must obtain permit from DORA
- Invoice
 - This needs to be the invoice you gave to the customer for the full price of the installed system.
- Photos do not show all installed equipment

Permit Search for Pueblo Regional

- Permits should clearly show the customer address along with the permit number.
 - [View the video to see how.](#)

Field Corrections

Common issues that prevent BHE from installing a meter

- Meter sockets not upgraded to 200AMPS.
 - Please refer to our meter standards located on our website or by clicking the following link [std-for-elec-install.pdf \(blackhillsenergy.com\)](http://blackhillsenergy.com/std-for-elec-install.pdf)
- Inverters Issues
 - Not commissioned
 - Optimizers are not pairing.
 - Not showing solar production.
 - In standby mode
- BHE service line is spliced
 - Under no circumstance should a non-BHE employed contractor touch the BHE service line – the correct procedure is to schedule a service drop. The phone number is 719-546-5855. Any found spliced service line will be replaced at Solar contractor's expense.

Field Corrections continued

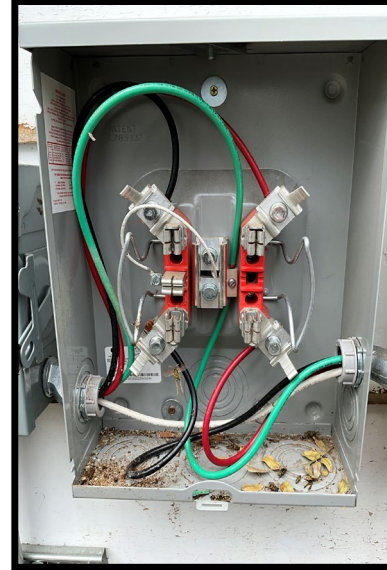
- **No Access**
 - Gate locked
 - Dog in yard
 - Breaker panel is turned off or is not accessible.
 - Email is sent to the customer following meter order asking for any potential access issues. Informing the customer to look out for this email will help avoid possible delays.
- **Socket wired backwards**
 - Production meters housing wired backwards.

Example

Spliced Service Line



Production Meter Wired Backwards



Example

Meter housing not 200A



Resources

Colorado Solar Program Website:

[Colorado solar program | Black Hills Energy](#)

Installation Standards:

[std-for-elec-install.pdf \(blackhillsenergy.com\)](#)

Permitting:

[Pueblo Regional Building Department \(prbd.com\)](#)

[Division of Professions and Occupations: Electrical and Plumbing Permits |](#)

[Division of Professions and Occupations \(colorado.gov\)](#)

Thank You!

