**Black Hills Energy Colorado Electric Level 2 Review**  
**Typical Hookup Diagram for Interconnection of Renewable Energy Systems Greater than 10KW**

### Customer Information:
- Name_________________________  
- Phone #_________________________  
- Account #_________________________

### Address/Location/Sec/Twn/Rng of Renewable Energy System
________________________________________________________________________

### Nearest Street Intersection__________________________________________

### System Rating (DC Watts)________________

### Inverter Configuration
- Circle One: 1 Phase or 3 Phase

### Solar or Wind Inverter Model #__________________________

### Main Entrance Voltage____________

### Main Entrance Size_________(Amps)

### AC Output of Renewable Energy System _Kilowatts

### Type of Interconnection to Utility
- Circle One: 1 Phase or 3 Phase

### 200 Amp Production Meter Socket provided by and Installed by Customer

### Customer Information:
- Name_________________________  
- Phone #_________________________  
- Account #_________________________

### Engineer______________________ Phone #______________________

### Notes:
- Complete or provide all information requested in double bordered boxes above, failure to provide all information could result in a rejection of the application. Follow all diagrams and instructions above, failure to do so could result in denial of interconnection permit. Provide one Level 2 document per meter being interconnected.

### Facilities served with 3 Phase conductors shall have a 3 phase inverter connected to Black Hills. 3 Single Phase inverters are not an acceptable substitute.
Black Hills Energy Colorado Electric
Typical Hookup Diagram for Interconnection of
All Renewable Energy Systems

- BHE Utility Grid
- BHE Distribution Transformer
- Line Terminals
- BI-DIR Billing Meter
- Load Terminals
- Line Terminals
- Customer Main Panel
- Load Terminals
- DC-AC Inverter
- +/-
- CUSTOMER SOLAR OR CUSTOMER WIND
- Line Terminals
- AC Disconnect Switch
- Load Terminals
- Utility Accessible AC Disconnect
  Lockable, with visible open (i.e. Knife Blade)
  Labeled by Customer:
  "Customer Generation AC Disconnect"
- Line Terminals
- Production Meter
- Load Terminals
- Line Terminals
- Production Meter Socket
- Provided by and Installed by Customer
- 200 Amp Production Meter Socket provided by and Installed by Customer
- Customer Generation Inverter must be wired to the Line Terminals of the Production Meter Socket
- Labeled by Customer:
  "Customer Generation Production Meter / Open AC Disconnect before removing meter"
- Verify meter socket size and type with BHE Meter Shop prior to installation.
  719-546-6512

Created 10-2-10